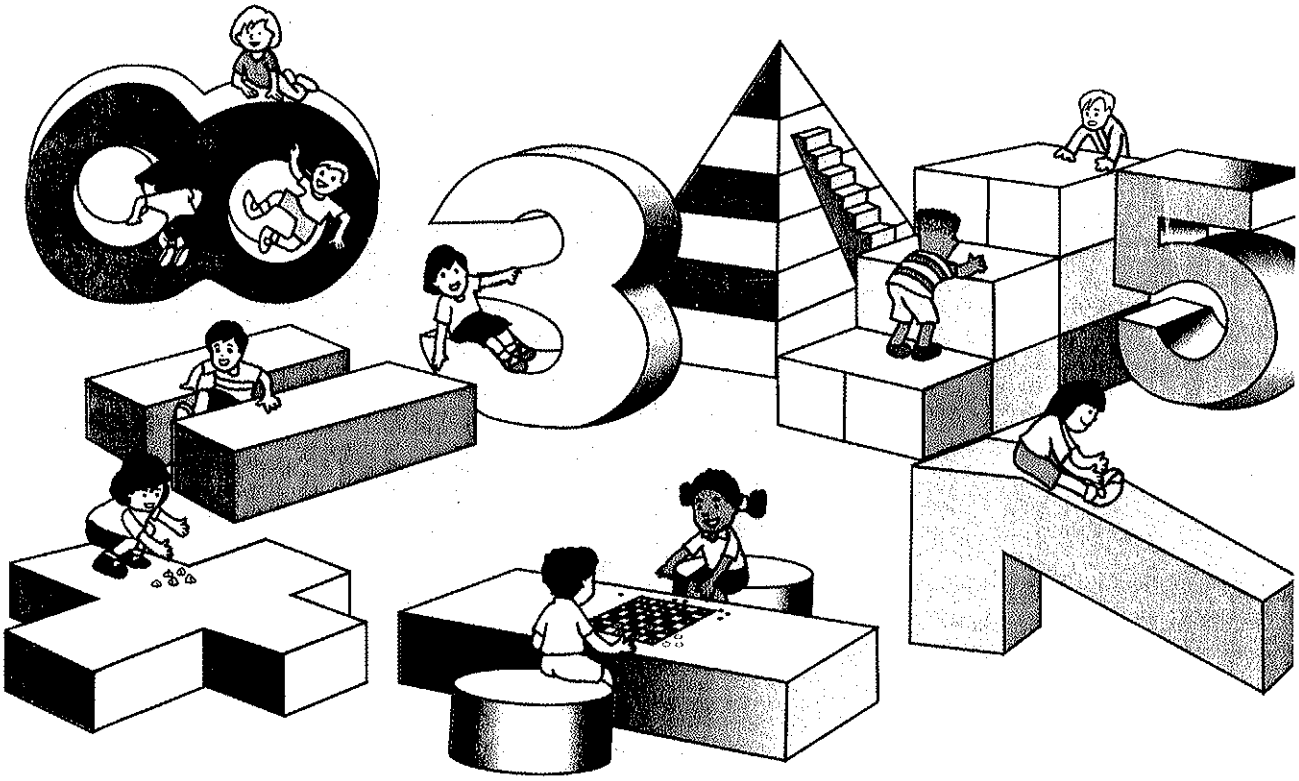
U.S. EDITION

PRIMARY MATHEMATICS 3A

TEXTBOOK



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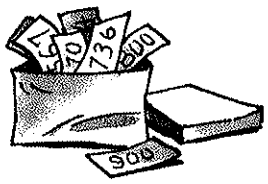

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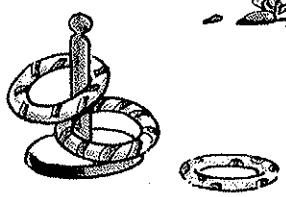

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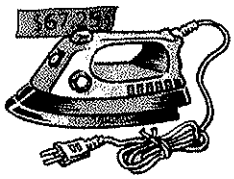
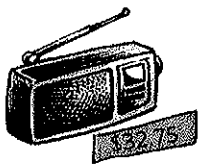
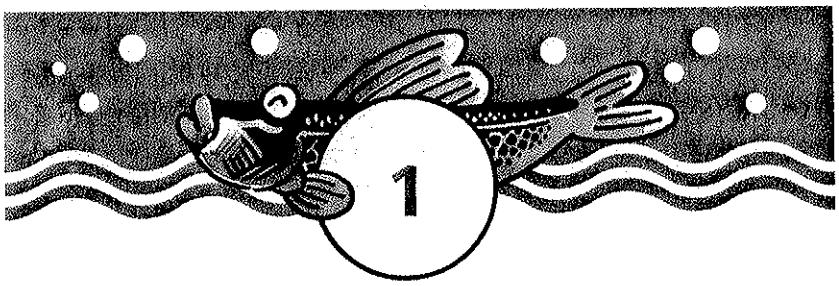
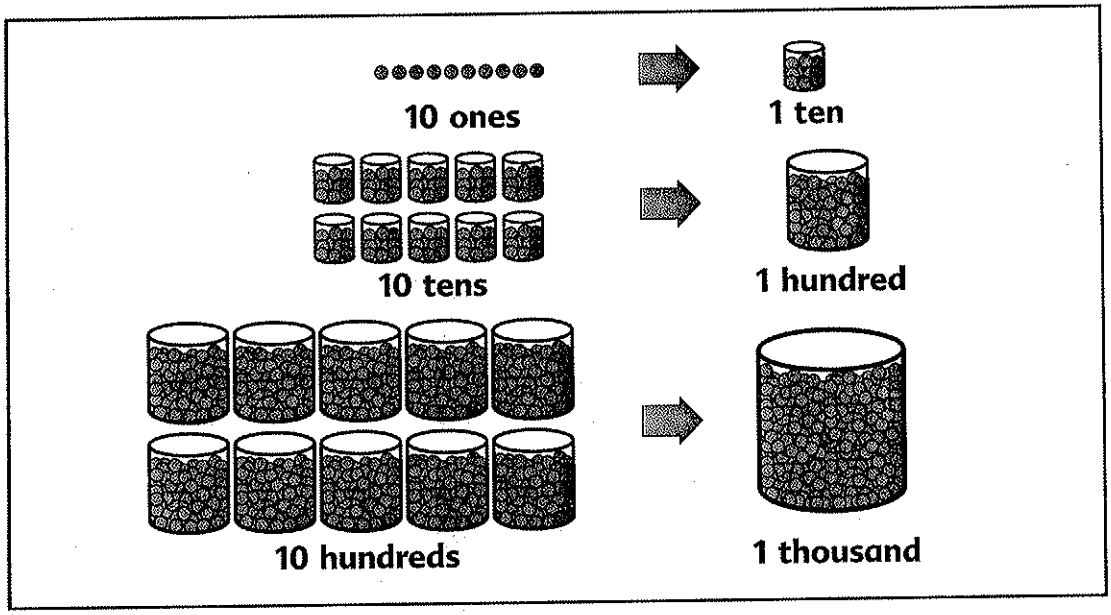




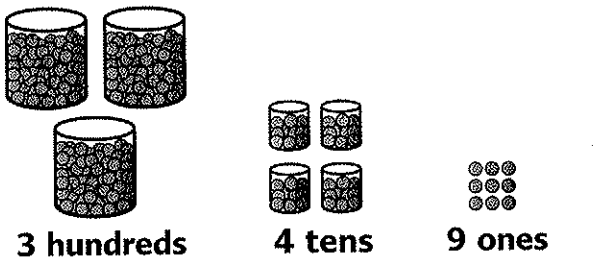


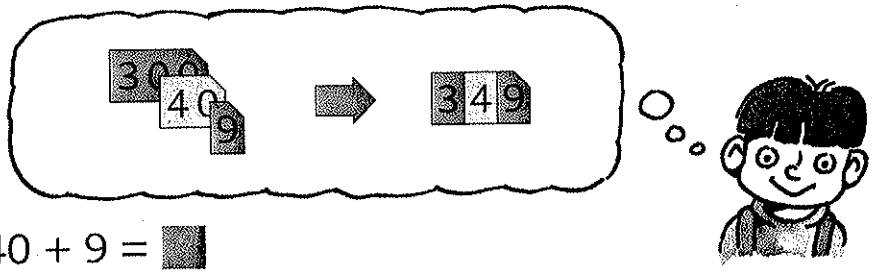
Numbers to 10,000

1 Thousands, Hundreds, Tens and Ones



(a) Sumin collected some marbles.





$300 + 40 + 9 =$ ▢

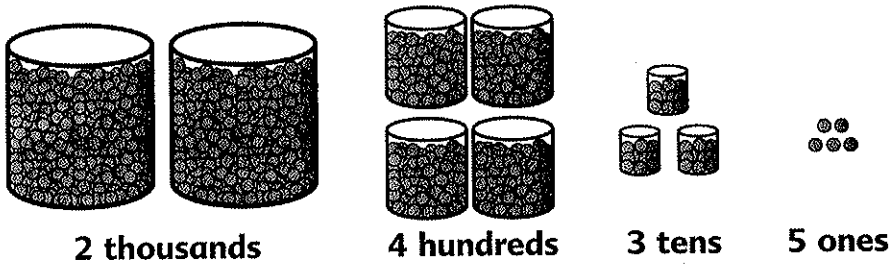
(b)

(c)

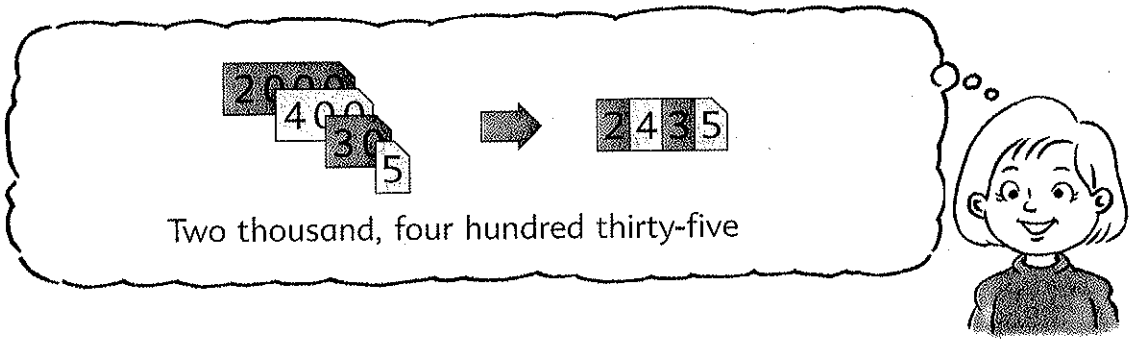
(d)

(e)

(b) His sister also collected some marbles.

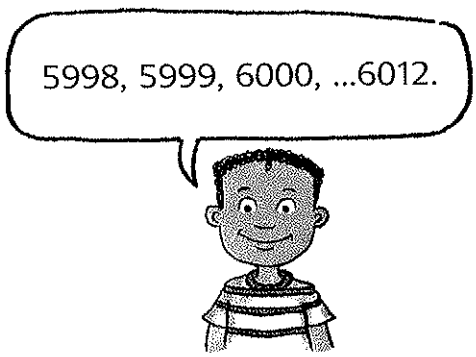


2000 + 400 + 30 + 5 = ■
How many marbles did she collect?



(c) Read the numbers 5998 and 6012.

(d) Count from 5998 to 6012.

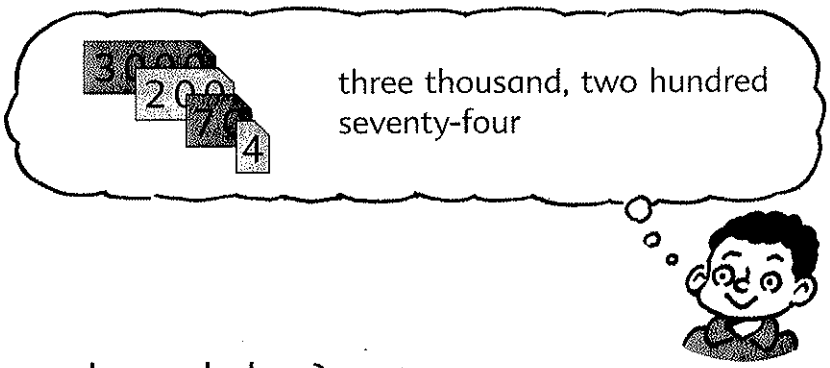


(e) Count from 9987 to 10,000.

1. Count the thousands, hundreds, tens and ones in this chart.

Thousands	Hundreds	Tens	Ones
1000 1000 1000	100 100	10 10 10 10 10 10 10	1 1 1 1

3000 + 200 + 70 + 4 = ■



2. What numbers are shown below?
Read each number.

(a)

Thousands	Hundreds	Tens	Ones
1000 1000		10 10 10 10	1 1 1 1 1

(b)

Thousands	Hundreds	Tens	Ones
1000	100 100 100		1 1 1 1 1 1 1

(c)

Thousands	Hundreds	Tens	Ones
1000 1000 1000 1000	100 100	10 10 10 10 10	

Workbook Exercise 1

3.

6824
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What

4. What
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(a) 3

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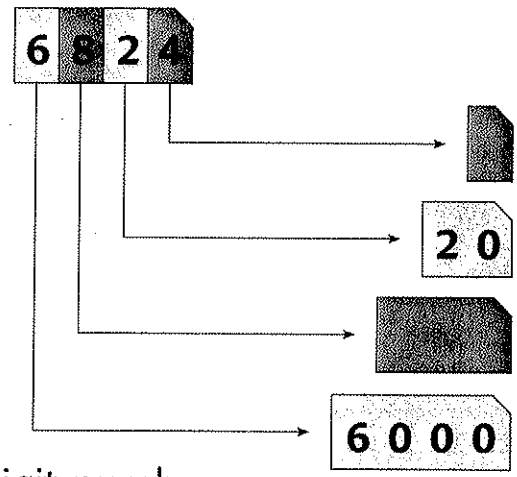
Its va

The c
Its va

6. What

3.



6824 is a 4-digit number.
The digit 2 stands for 20.
The digit 6 stands for 6000.
What does the digit 8 stand for?
What does the digit 4 stand for?

4. What does the digit **5** stand for in each of the following numbers?
(a) 3**5**21 (b) **5**213 (c) 12**5**3

5.

Thousands	Hundreds	Tens	Ones
3	4	6	8

In 3468, the digit 8 is in the **ones place**.
Its **value** is 8.

The digit 6 is in the **tens place**.
Its value is 60.

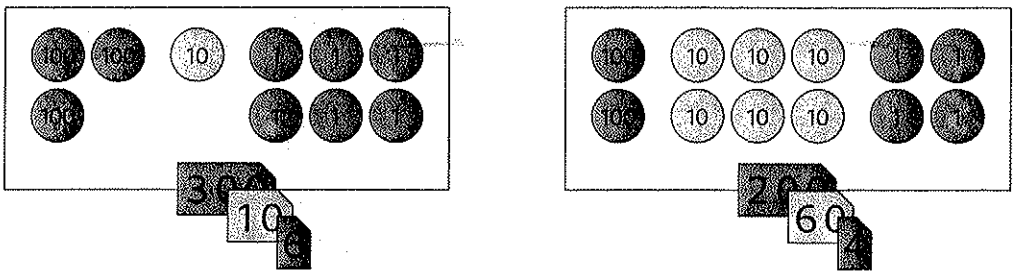
The digit [redacted] is in the **hundreds place**.
Its value is [redacted].

The digit [redacted] is in the **thousands place**.
Its value is [redacted].

6. What is the value of each digit in 8137?

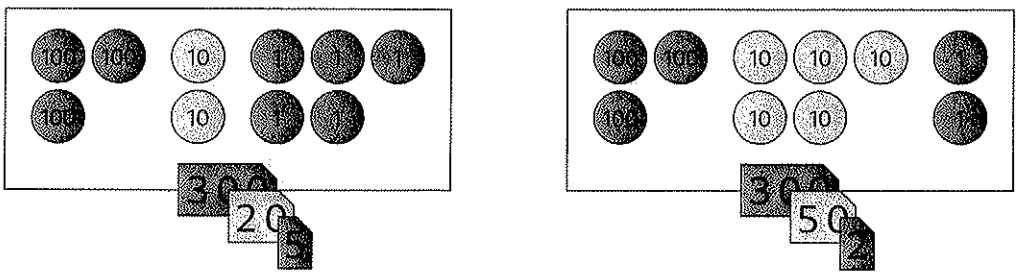
Workbook Exercise 2

7. Which is greater, 316 or 264?



316 is greater than 264.

Which is smaller, 325 or 352?



325 is less than 352.

(a) Which is greater, 4316 or 4264?
Which is greater, 4316 or 5264?
(b) Which is smaller, 2325 or 2352?
Which is smaller, 3325 or 2352?

8. Write the word **greater** or **less** in place of each ▪.
(a) 7031 is ▪ than 7301.
(b) 8004 is ▪ than 8040.
(c) 3756 is ▪ than 3576.

9. 5073, 4982, 4973
Which is the greatest number?
Which is the smallest number?

10.

11. Arrar

Begir

12. Arrar

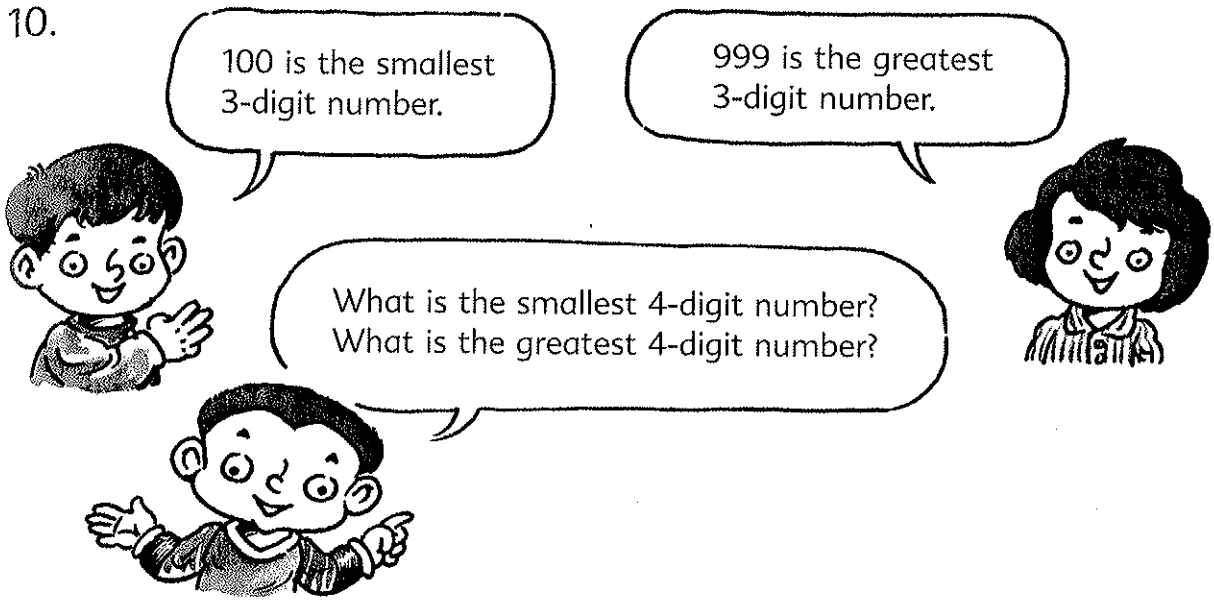
Begir

13. Use
make
Whic
Whic

14. (a)

(b)

10.



11. Arrange the numbers in order:

    3412, 3142, 4123, 2431

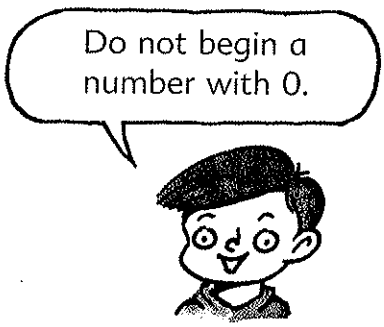
    Begin with the greatest.

12. Arrange the numbers in order:

    1892, 9003, 913, 1703

    Begin with the smallest.

13. Use all the digits 0, 4 and 5 to make different 3-digit numbers.
    Which is the greatest number?
    Which is the smallest number?



14. (a) What is the greatest 4-digit number that you can make using all the digits 0, 7, 2 and 8?
    (b) What is the smallest 4-digit number that you can make using all the digits 3, 7, 4 and 9?

Workbook Exercise 3

PRACTICE 1A

1. Write the numbers.
   (a) Two thousand, one hundred sixty-three
   (b) Eight thousand, eight
   (c) Three thousand, six hundred
   (d) One thousand, three hundred seventy-six
   (e) Four thousand, five

2. Write the numbers in words.
   (a) 1347 (b) 5900 (c) 7058

3. Write the numbers in thousands, hundreds, tens and ones.
   (a) 6352 (b) 4091 (c) 7004

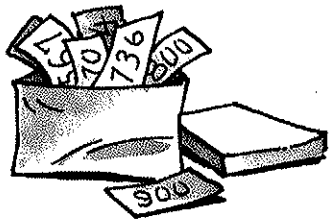
4. What number is shown in each of the following?

   (a) 

   (b) 

   (c) 

5. Find the missing numbers.
   (a) 1000 + 700 + 30 + 6 = ■
   (b) 7000 + 500 + 4 = ■
   (c) 3000 + ■ = 3090
   (d) 6000 + ■ + 2 = 6802
   (e) 4243 = 4000 + 200 + 40 + ■
   (f) 4907 − ■ = 4007



6. Write the underlined words in figures.
   (a) The height of Mount Fuji in Japan is <u>three thousand, seven hundred seventy-six</u> meters.
   (b) Mr. Ward bought a computer for <u>two thousand, sixty</u> dollars.

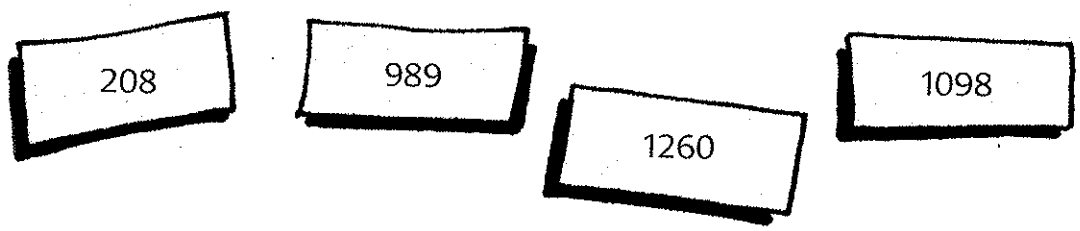
PRACTICE 1B

1. Write the word **greater** or **less** in place of each ■.
   (a) 7865 is ■ than 8567
   (b) 4104 is ■ than 4049
   (c) 3590 is ■ than 3509
   (d) 9989 is ■ than 9998
   (e) 7080 is ■ than 7100
   (f) 2000 is ■ than 10,000

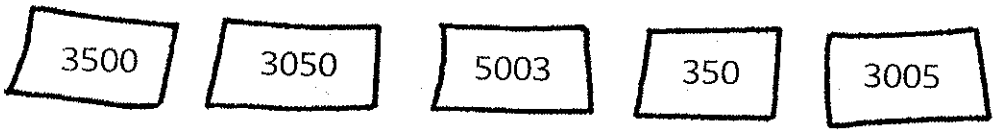
2. Which is the greatest number in each of the following?
   (a) 7171, 7711, 7117
   (b) 8218, 8812, 8128

3. Which is the smallest number in each of the following?
   (a) 9909, 9099, 9990
   (b) 8544, 8454, 8445

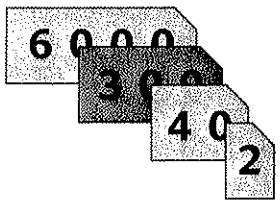
4. Arrange these numbers in order, beginning with the greatest.



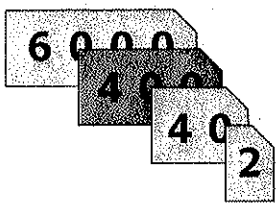
5. Arrange these numbers in order, beginning with the smallest.



2. Number Patterns

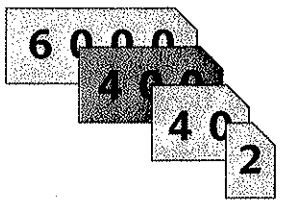


6 3 4 2

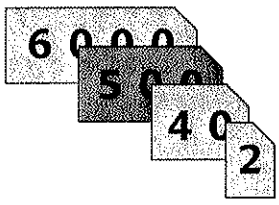


6 4 4 2

Which is more? How many more?



6 4 4 2



6 5 4 2

Which is more? How many more?

What number is 100 more than 6442?

What number is 100 more than 6542?

Complete the number pattern.

(a) 6342, 6442, 6542, ▢, ▢

(b) 6342, 7342, 8342, ▢, ▢

(c) 6342, 6343, 6344, ▢, ▢

(d) 6342, 6352, 6362, ▢, ▢

1. (a)

(b)
(c)
(d)

2. (a)

(b)
(c)
(d)

1. (a) What number is 100 more than 3624?

Thousands	Hundreds	Tens	Ones
1000 1000 1000	100 100 100 100 100 100	10 10	1 1 1 1

100

$3624 \xrightarrow{+100} \square$

(b) What number is 1 more than 3624?
(c) What number is 10 more than 3624?
(d) What number is 1000 more than 3624?

2. (a) What number is 1000 less than 5732?

Thousands	Hundreds	Tens	Ones
1000 1000 1000 1000	100 100 100 100 100 100 100	10 10 10	1 1

1000

$5732 \xrightarrow{-1000} \square$

(b) What number is 1 less than 5732?
(c) What number is 10 less than 5732?
(d) What number is 100 less than 5732?

3. (a) Count in steps of 10 from 1678 to 1728.

1678, 1688, 1698, ..., 1728.

(b) Count in steps of 100 from 1678 to 2178.

1678, 1778, 1878, ..., 2178.

(c) Count in steps of 1000 from 1678 to 8678.

1678, 2678, 3678, ..., 8678.

4. Complete the following number patterns.

(a) 3098, 3099, ____, 3101, 3102

(b) 3098, 3108, 3118, ____, 3138

(c) 3098, ____, 5098, 6098, 7098

(d) 3098, 3198, ____, 3398, 3498

(e) 8903, ____, 8883, 8873, 8863

(f) ____, 7993, 7893, 7793, 7693

Workbook Exercise 4

PRACTI

1. What
(a)

2. What

3. (a)
(b)

4. Write
numb
(a)
(b)
(c)
(d)

5. Com
(a)
(b)
(c)
(d)
(e)

6. Com
(a)
(b)
(c)
(d)
(e)

PRACTICE 1C

1. What is the value of the digit **8** in each of the following?
   (a) 7**8**92 (b) 346**8** (c) **8**005 (d) 70**8**1

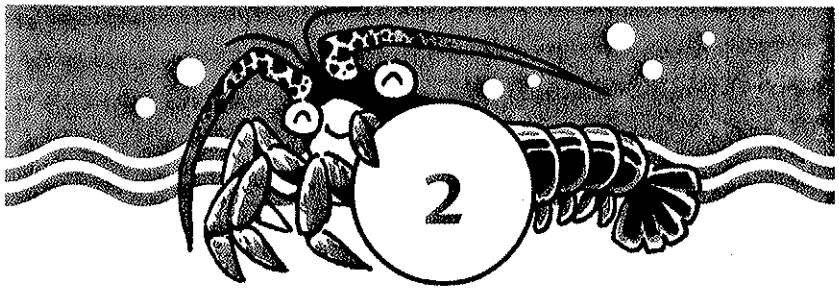
2. What does each digit in 5629 stand for?

3. (a) In 6243, the digit ▪ is in the **tens place.**
   Its value is ▪.
   (b) In 5029, the digit ▪ is in the **hundreds place.**
   Its value is ▪.

4. Write the next three numbers for each of the following number patterns.
   (a) 2007, 2008, 2009, ▪, ▪, ▪
   (b) 5612, 5622, 5632, ▪, ▪, ▪
   (c) 1800, 1900, 2000, ▪, ▪, ▪
   (d) 4056, 5056, 6056, ▪, ▪, ▪

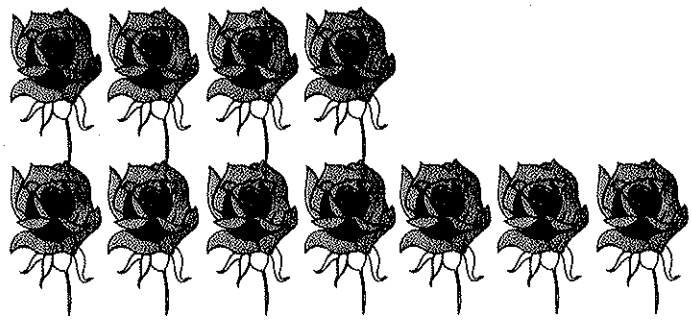
5. Complete the following number patterns.
   (a) 997, 998, 999, ▪
   (b) 2008, ▪, 2010, 2011
   (c) 5760, 5770, ▪, 5790
   (d) 4800, 4900, ▪, 5100
   (e) 3040, ▪, 5040, 6040

6. Complete the following number patterns.
   (a) ▪, 5400, 5401, 5402
   (b) 3420, ▪, 3620, 3720
   (c) 4350, 3350, ▪, 1350
   (d) 8160, 7160, 6160, ▪
   (e) 5722, 5712, 5702, ▪



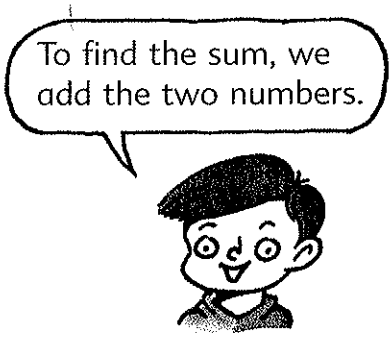
Addition and Subtraction

1 Sum and Difference



(a) What is the sum of 4 and 7?

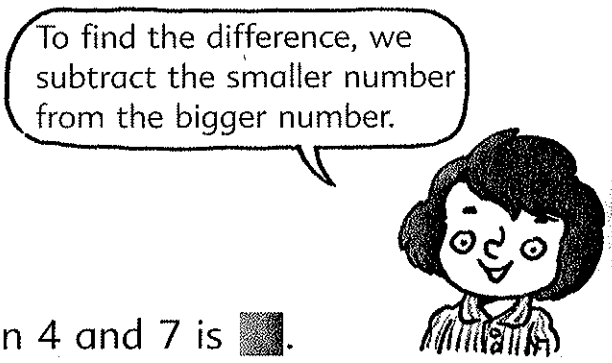
$4 + 7 =$ ■



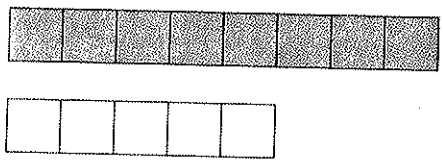
The sum of 4 and 7 is ■.

(b) What is the difference between 4 and 7?

$7 - 4 =$ ■



The difference between 4 and 7 is ■.

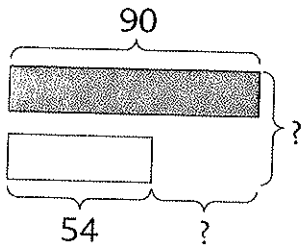
1. 

(a) $8 + 5 =$ ▢

The sum of 8 and 5 is ▢.

(b) $8 - 5 =$ ▢

The difference between 8 and 5 is ▢.

2. 

(a) The sum of 90 and 54 is ▢.

(b) The difference between 90 and 54 is ▢.

3. (a) The sum of 12 and 9 is ▢.

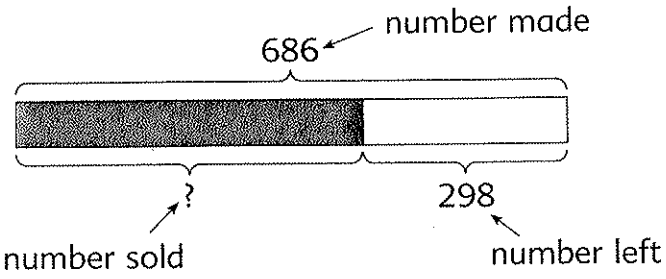
(b) The sum of two numbers is 21.
If one number is 9, the other number is ▢.

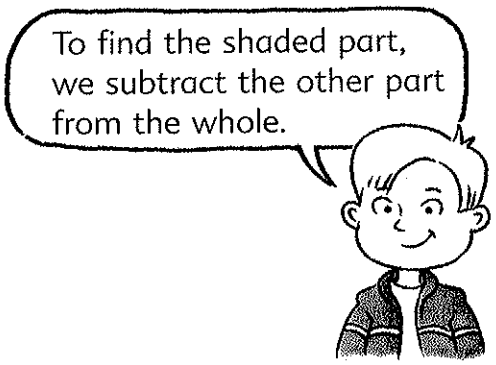
(c) The difference between 21 and 9 is ▢.

(d) The difference between 21 and 12 is ▢.

Workbook Exercise 5

4. Mary made 686 cookies. She sold some of them. If 298 were left over, how many cookies did she sell?

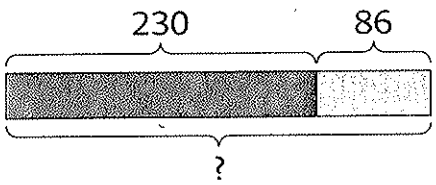




686 − 298 = ▪

She sold ▪ cookies.

5. A man sold 230 balloons at a carnival in the morning. He sold another 86 balloons in the evening. How many balloons did he sell in all?



230 + 86 = ▪

He sold ▪ balloons in all.

6. 134 g
How

1

There

7. Meilir
She s
How

1

Betty

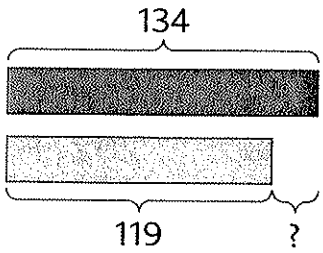
8. John
He re
(a) H
(b) H

(a) 3
H

(b) 3
H

6. 134 girls and 119 boys took part in an art competition.
How many more girls than boys were there?

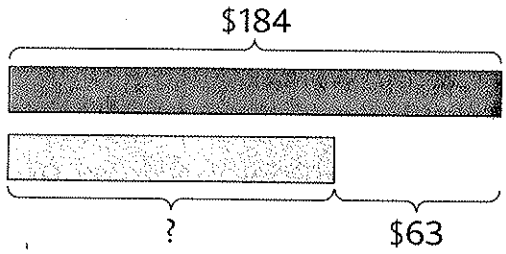
$134 - 119 =$ ■



There were ■ more girls than boys.

7. Meilin saved $184.
She saved $63 more than Betty.
How much did Betty save?

$184 - 63 =$ ■



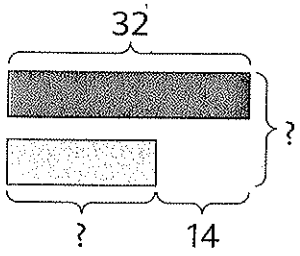
Betty saved $■.

Workbook Exercise 6

8. John read 32 pages in the morning.
He read 14 pages less in the afternoon.
(a) How many pages did he read in the afternoon?
(b) How many pages did he read altogether?

(a) $32 - 14 = 18$
He read 18 pages in the afternoon.

(b) $32 + 18 = 50$
He read 50 pages altogether.



Workbook Exercise 7

PRACTICE 2A

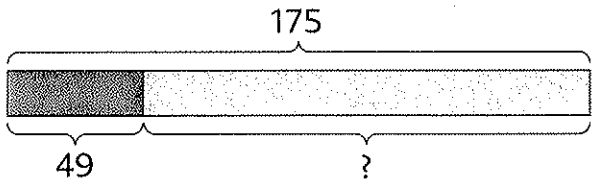
Find the value of each of the following:

	(a)	(b)	(c)
1.	509 + 365	128 + 280	384 + 418
2.	746 + 254	262 + 138	432 + 368
3.	715 − 235	800 − 236	308 − 153
4.	514 − 266	600 − 162	504 − 354

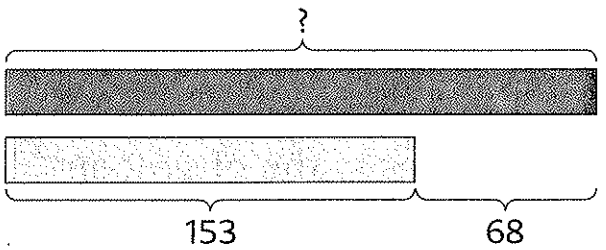
5. Leela has 254 rubber bands.
Her friend gives her 58 more.
How many rubber bands does she have now?

6. A man bought 650 pastries for a party.
There were 39 pastries left after the party.
How many pastries were eaten during the party?

7. The sum of two numbers is 175.
If one number is 49, what is the other number?



8. The difference between two numbers is 68.
If the smaller number is 153, what is the bigger number?



9. The difference between two numbers is 48.
If the bigger number is 126, what is the smaller number?

PRACTICE 2B

Find the value of each of the following:

	(a)	(b)	(c)
1.	730 + 313	305 + 179	265 + 161
2.	724 + 184	310 + 184	668 + 475
3.	746 − 316	310 − 187	600 − 382
4.	470 − 371	627 − 298	374 − 361

5. Mr. Ray paid $850 for a television set.
He still had $450 left.
How much money did he have at first?

6. 429 concert tickets were sold on Sunday.
64 more concert tickets were sold on Sunday than on Saturday.
How many tickets were sold on Saturday?

7. This table shows the number of crackers made by three machines in one hour.

Machine A	468
Machine B	652
Machine C	945

(a) What is the total number of crackers made by Machine A and Machine B?
(b) What is the total number of crackers made by the three machines?

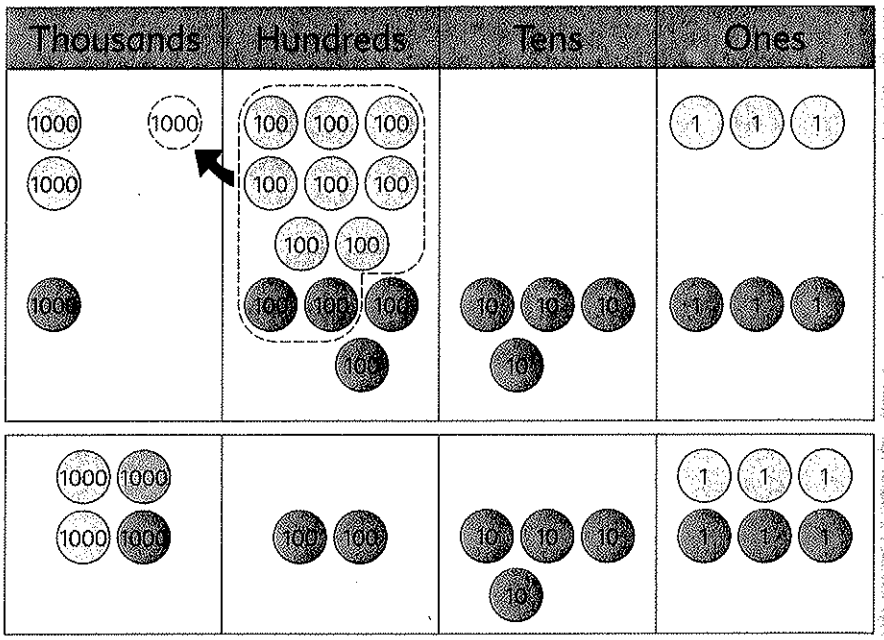
8. Ryan had 35 tickets to sell.
He sold 15 tickets yesterday and 9 tickets today.
(a) How many tickets did he sell on the two days?
(b) How many tickets were **not** sold?

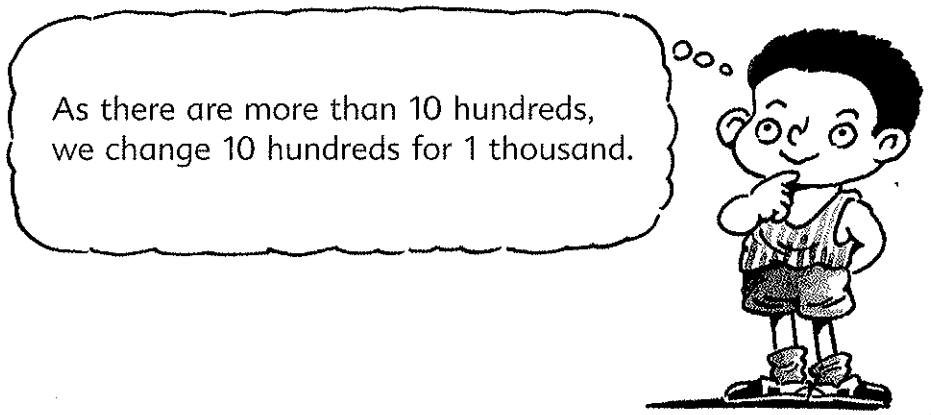
9. David collected 830 stamps.
Peter collected 177 fewer stamps than David.
(a) How many stamps did Peter collect?
(b) How many stamps did they collect altogether?

2 Adding Ones, Tens, Hundreds and Thousands

Find the sum of 2803 and 1443.

$$\begin{array}{r} 2803 \\ +\ 1443 \\ \hline \end{array}$$





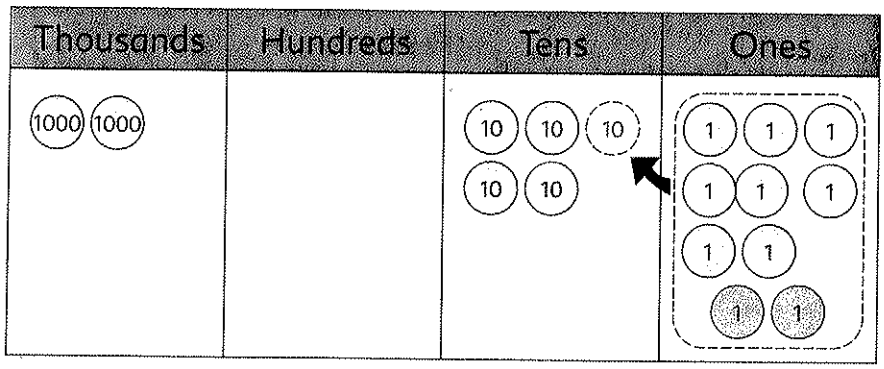
Add the ones.	Add the tens.	Add the hundreds.	Add the thousands.
2803 + 1443 = **6**	2803 + 1443 = **46**	$\overset{1}{2}803 + 1443 = **246**	$\overset{1}{2}803 + 1443 = **4246**

1. Find the value of

(a) 4263 + 5
(b) 4263 + 20
(c) 4263 + 400
(d) 4263 + 3000
(e) 4263 + 425
(f) 4263 + 3425

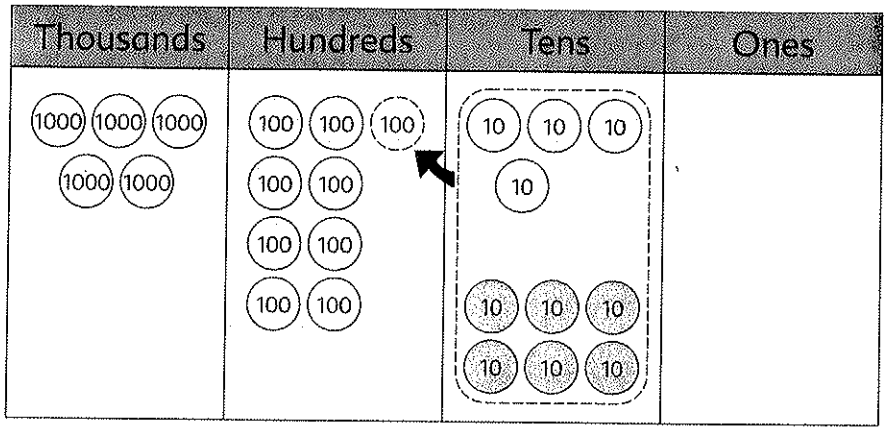
2. 2048 + 2 = ▓

$$\begin{array}{r} 2048 \\ +\quad 2 \\ \hline \blacksquare \end{array}$$



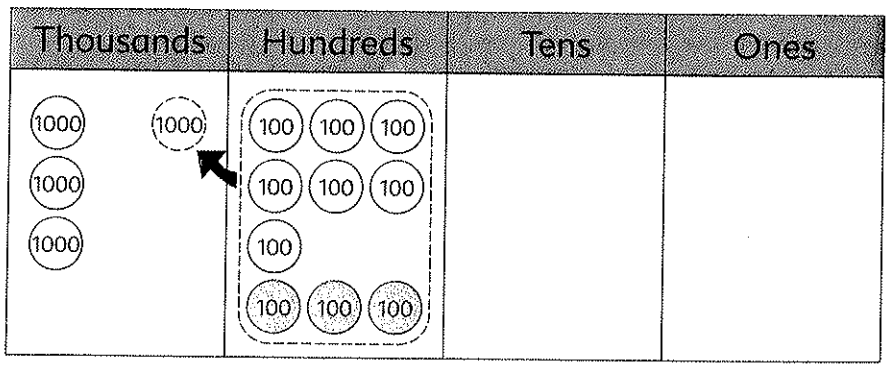
3. 5840 + 60 = ▓

$$\begin{array}{r} 5840 \\ +\quad 60 \\ \hline \blacksquare \end{array}$$



4. 3700 + 300 = ▓

$$\begin{array}{r} 3700 \\ +\quad 300 \\ \hline \blacksquare \end{array}$$



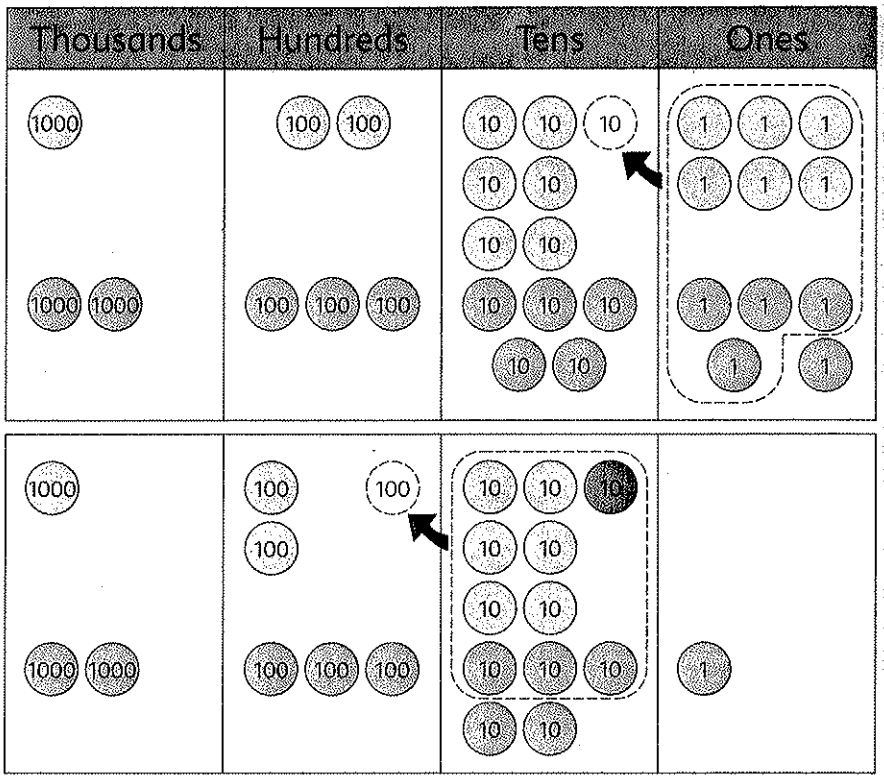
5. Find the value of

(a) 1028 + 234
(b) 2409 + 1245
(c) 4190 + 649
(d) 3260 + 4282
(e) 6204 + 993
(f) 5402 + 2960

Workbook Exercise 8

6. Find the sum of 1266 and 2355.

$$\begin{array}{r} 1266 \\ +\ 2355 \\ \hline \end{array}$$



Add the ones.	Add the tens.	Add the hundreds.	Add the thousands.
$\begin{array}{r} {\scriptstyle 1} \\ 1266 \\ +\ 2355 \\ \hline 1 \end{array}$	$\begin{array}{r} {\scriptstyle 1\ 1} \\ 1266 \\ +\ 2355 \\ \hline 21 \end{array}$	$\begin{array}{r} {\scriptstyle 1\ 1} \\ 1266 \\ +\ 2355 \\ \hline 621 \end{array}$	$\begin{array}{r} {\scriptstyle 1\ 1} \\ 1266 \\ +\ 2355 \\ \hline 3621 \end{array}$

7. Find the value of

(a) 1326 + 194
(b) 3762 + 5158
(c) 5471 + 787
(d) 6942 + 1095
(e) 7246 + 845
(f) 4653 + 2729

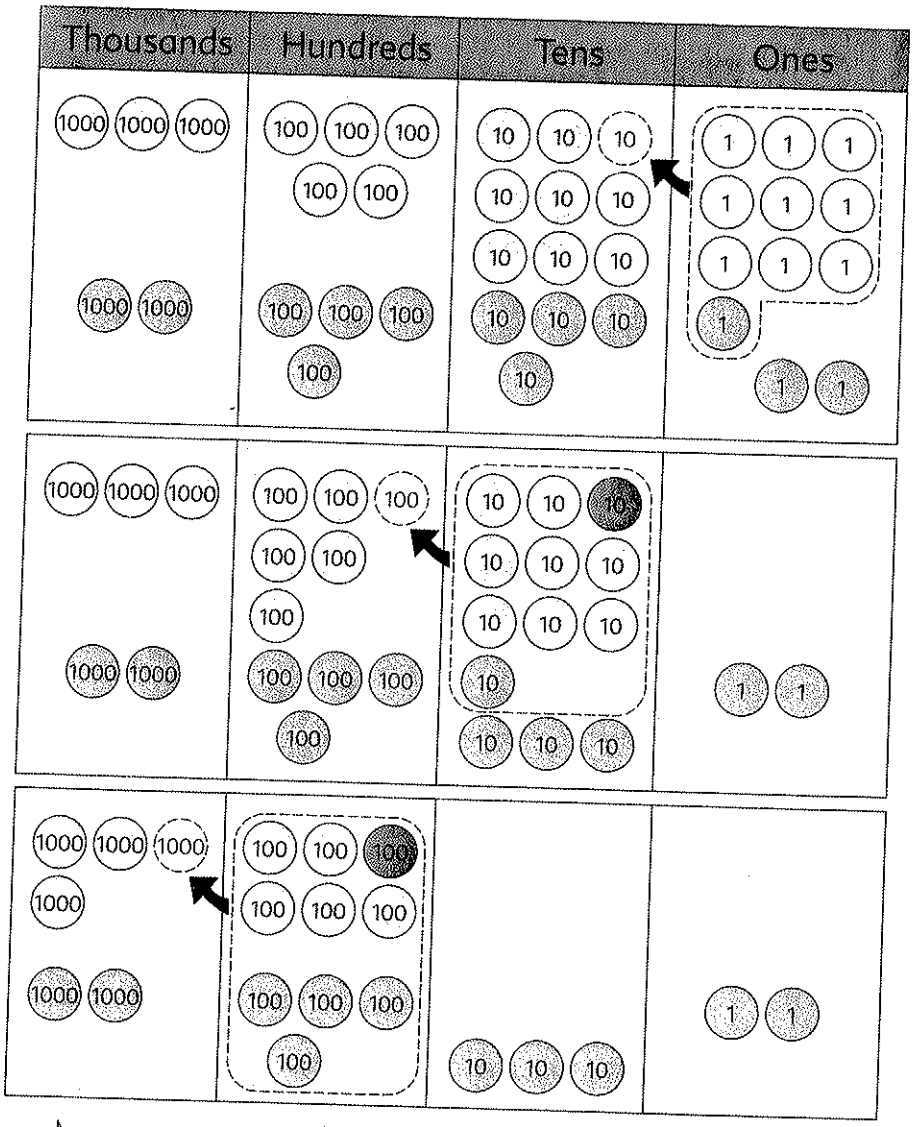
8. Find

$$\begin{array}{r} 3 \\ +\ 2 \\ \hline \end{array}$$

9. Find
(a)
(c)

8. Find the sum of 3589 and 2443.

$$\begin{array}{r} 3589 \\ +\ 2443 \\ \hline \end{array}$$



$$\begin{array}{r} {\scriptstyle 1} \\ 3589 \\ +\ 2443 \\ \hline 2 \end{array}$$

Add the ones.

$$\begin{array}{r} {\scriptstyle 1\ 1} \\ 3589 \\ +\ 2443 \\ \hline 32 \end{array}$$

Add the tens.

$$\begin{array}{r} {\scriptstyle 1\ 1\ 1} \\ 3589 \\ +\ 2443 \\ \hline 032 \end{array}$$

Add the hundreds.

$$\begin{array}{r} {\scriptstyle 1\ 1\ 1} \\ 3589 \\ +\ 2443 \\ \hline 6032 \end{array}$$

Add the thousands.

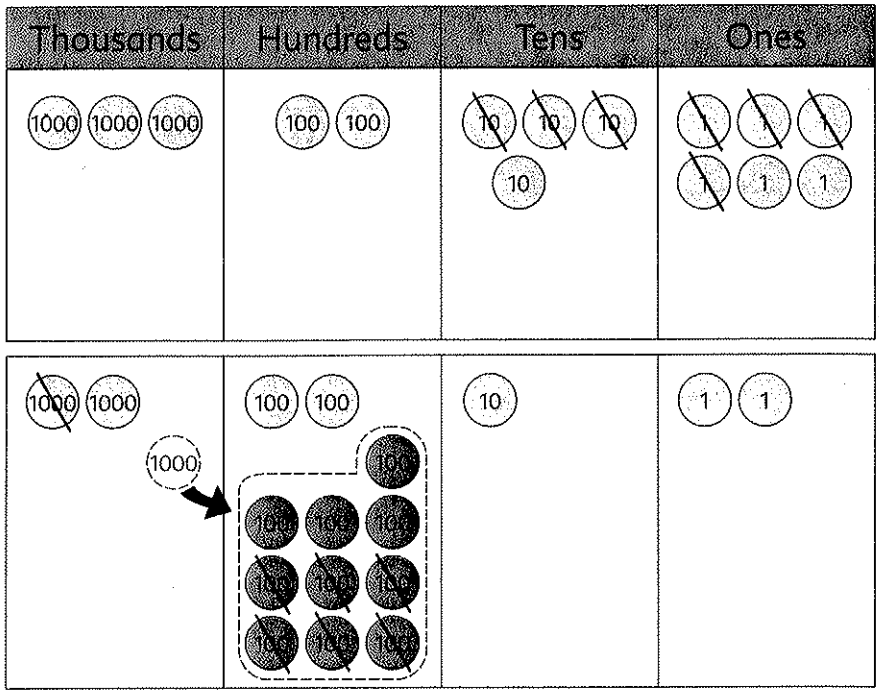
9. Find the value of
   (a) 4697 + 1316
   (b) 3587 + 3813
   (c) 2908 + 5892
   (d) 2824 + 2576

Workbook Exercise 9

3 Subtracting Ones, Tens, Hundreds and Thousands

Find the difference between 3246 and 1634.

$$\begin{array}{r} 3246 \\ -\ 1634 \\ \hline \end{array}$$



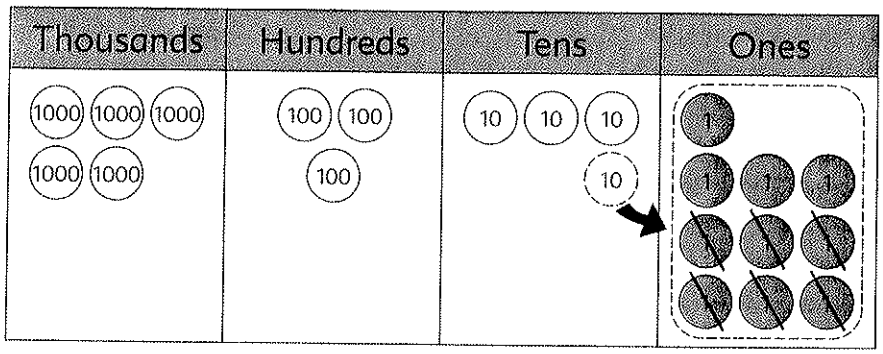
As there are not enough hundreds to subtract from, we change 1 thousand for 10 hundreds.

$\begin{array}{r} 3246 \\ -\ 1634 \\ \hline 2 \end{array}$	$\begin{array}{r} 3246 \\ -\ 1634 \\ \hline 12 \end{array}$	$\begin{array}{r} \overset{2}{\cancel{3}}\overset{12}{\cancel{2}}46 \\ -\ 1634 \\ \hline 612 \end{array}$	$\begin{array}{r} \overset{2}{\cancel{3}}\overset{12}{\cancel{2}}46 \\ -\ 1634 \\ \hline 1612 \end{array}$
Subtract the ones.	**Subtract the tens.**	**Subtract the hundreds.**	**Subtract the thousands.**

1. Find the value of
   (a) 6847 − 3
   (b) 6847 − 20
   (c) 6847 − 500
   (d) 6847 − 4000
   (e) 6847 − 523
   (f) 6847 − 4523

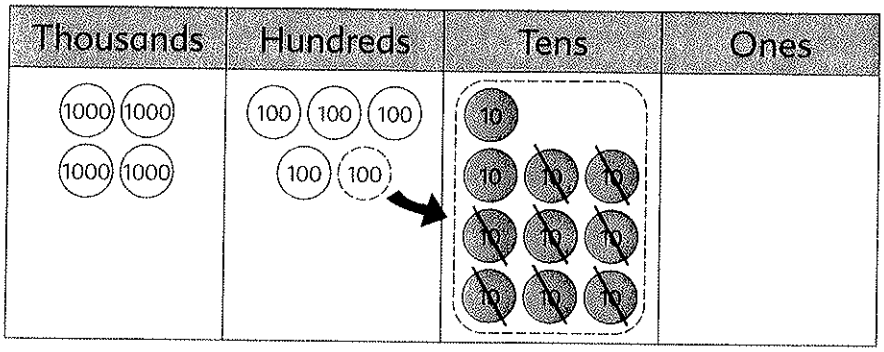
2. 5340 − 6 = ▒

$$\begin{array}{r} 5340 \\ -\quad 6 \\ \hline \blacksquare \end{array}$$



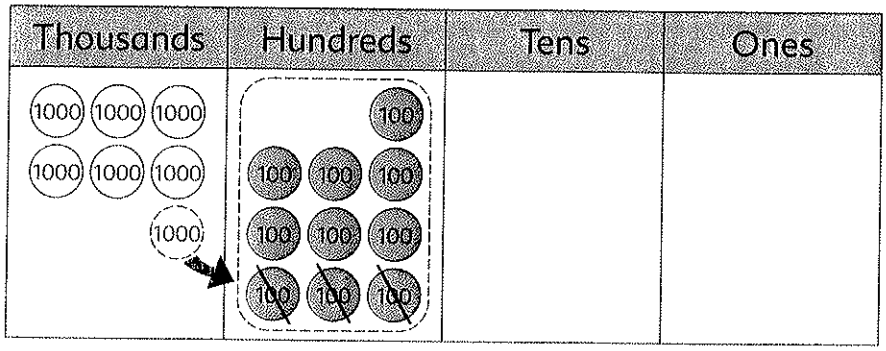
3. 4500 − 80 = ▒

$$\begin{array}{r} 4500 \\ -\quad 80 \\ \hline \blacksquare \end{array}$$



4. 7000 − 300 = ▒

$$\begin{array}{r} 7000 \\ -\quad 300 \\ \hline \blacksquare \end{array}$$



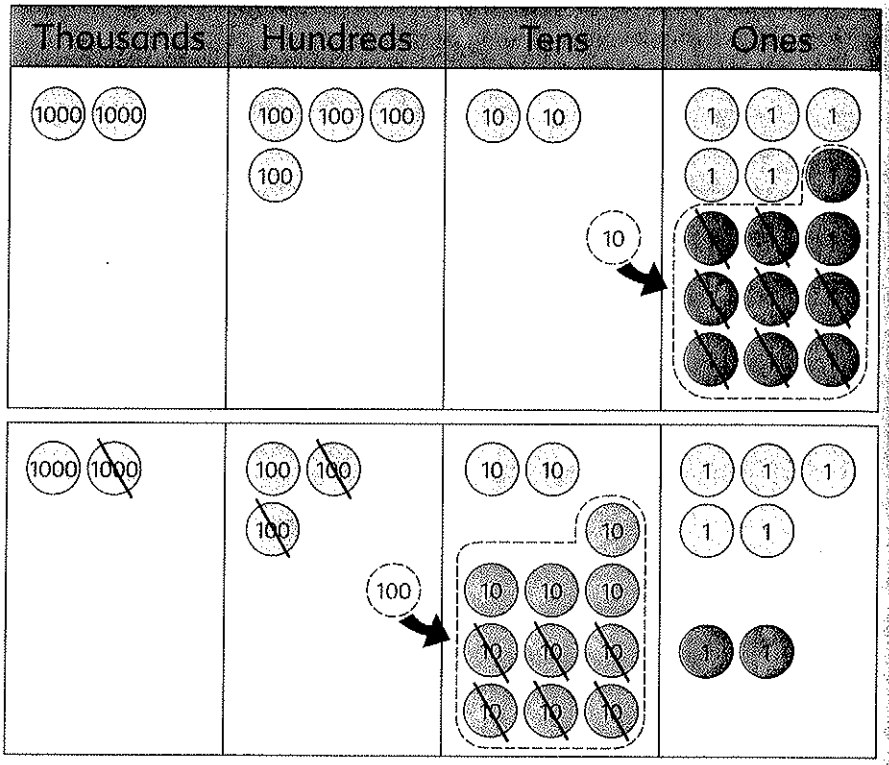
5. Find the value of

(a) 4821 – 514
(b) 5645 – 1317
(c) 6743 – 461
(d) 8769 – 3292
(e) 9674 – 853
(f) 7356 – 4731

Workbook Exercise 10

6. Find the difference between 2435 and 1268.

$$\begin{array}{r} 2435 \\ -\ 1268 \\ \hline \end{array}$$



$$\begin{array}{r} {}^{2}\not{2}\,{}^{15}\not{3}5 \\ -\ 1268 \\ \hline 7 \end{array}$$

Subtract the ones.

$$\begin{array}{r} {}^{3}\not{2}\,{}^{12}\not{3}\,{}^{15}\not{5} \\ -\ 1268 \\ \hline 67 \end{array}$$

Subtract the tens.

$$\begin{array}{r} {}^{3}\not{2}\,{}^{12}\not{3}\,{}^{15}\not{5} \\ -\ 1268 \\ \hline 167 \end{array}$$

Subtract the hundreds.

$$\begin{array}{r} {}^{3}\not{2}\,{}^{12}\not{3}\,{}^{15}\not{5} \\ -\ 1268 \\ \hline 1167 \end{array}$$

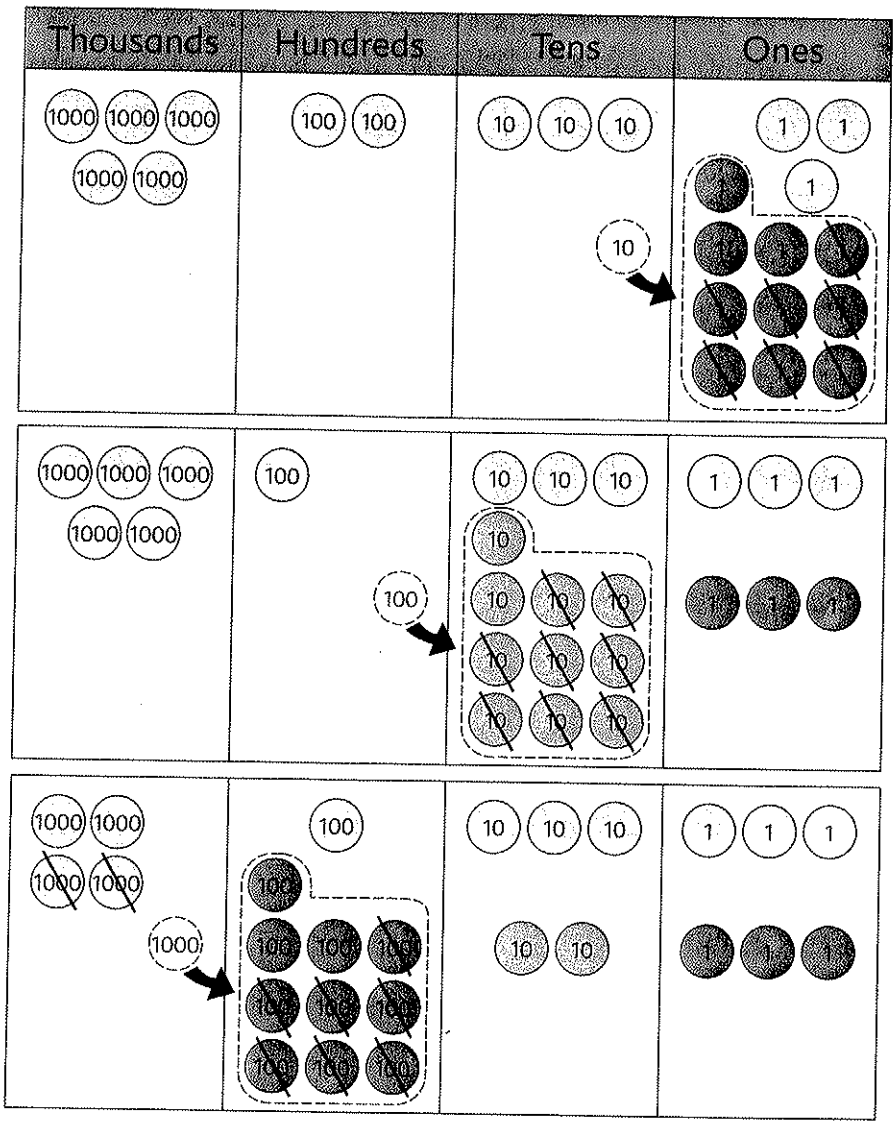
Subtract the thousands.

7. Find the value of

(a) 7613 – 185
(b) 8450 – 4262
(c) 4581 – 790
(d) 9608 – 6894
(e) 6094 – 428
(f) 3640 – 1807

8. Find the difference between 5243 and 2787.

$$\begin{array}{r} 5243 \\ -\ 2787 \\ \hline \end{array}$$



$$\begin{array}{r} 5\,2\,\cancel{4}^{3}\,\cancel{3}^{13} \\ -\ 2\,7\,8\,7 \\ \hline 6 \end{array}$$

Subtract the ones.

$$\begin{array}{r} 5\,\cancel{2}^{1}\,\cancel{4}^{13}\,\cancel{3}^{13} \\ -\ 2\,7\,8\,7 \\ \hline 5\,6 \end{array}$$

Subtract the tens.

$$\begin{array}{r} \cancel{5}^{4}\,\cancel{2}^{11}\,\cancel{4}^{13}\,\cancel{3}^{13} \\ -\ 2\,7\,8\,7 \\ \hline 4\,5\,6 \end{array}$$

Subtract the hundreds.

$$\begin{array}{r} \cancel{5}^{4}\,\cancel{2}^{11}\,\cancel{4}^{13}\,\cancel{3}^{13} \\ -\ 2\,7\,8\,7 \\ \hline 2\,4\,5\,6 \end{array}$$

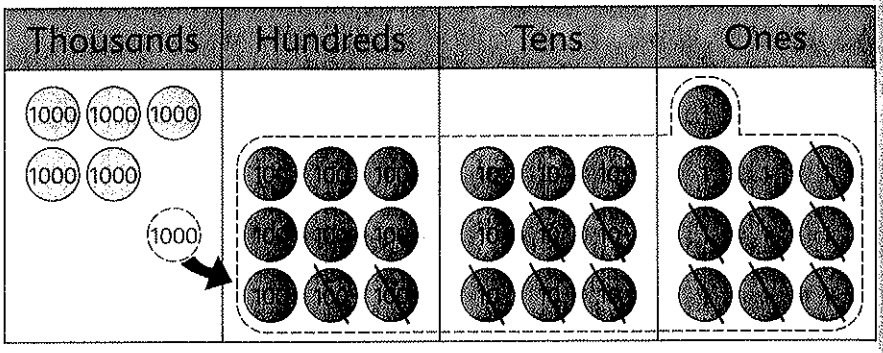
Subtract the thousands.

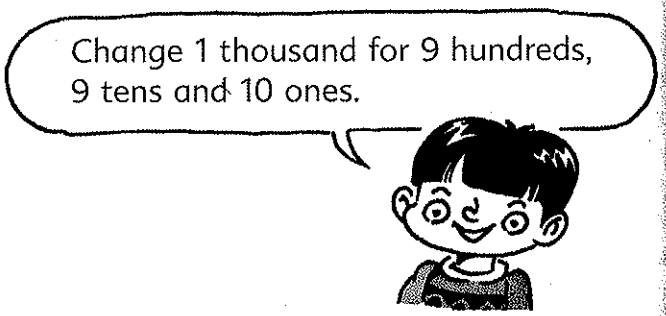
9. Find the value of
   (a) 7165 − 5268
   (b) 6875 − 3996
   (c) 8353 − 3572
   (d) 9564 − 8467

Workbook Exercise 11

10. Find the difference between 6000 and 257.

$$\begin{array}{r} 6000 \\ -\ 257 \\ \hline \blacksquare \end{array}$$





$$\begin{array}{r} {}^{5}\cancel{6}\,{}^{9}\cancel{0}\,{}^{9}\cancel{0}\,{}^{10}\cancel{0} \\ -\ 257 \\ \hline 3 \end{array}$$
Subtract the ones.

$$\begin{array}{r} {}^{5}\cancel{6}\,{}^{9}\cancel{0}\,{}^{9}\cancel{0}\,{}^{10}\cancel{0} \\ -\ 257 \\ \hline 43 \end{array}$$
Subtract the tens.

$$\begin{array}{r} {}^{5}\cancel{6}\,{}^{9}\cancel{0}\,{}^{9}\cancel{0}\,{}^{10}\cancel{0} \\ -\ 257 \\ \hline 743 \end{array}$$
Subtract the hundreds.

$$\begin{array}{r} {}^{5}\cancel{6}\,{}^{9}\cancel{0}\,{}^{9}\cancel{0}\,{}^{10}\cancel{0} \\ -\ 257 \\ \hline 5743 \end{array}$$
Subtract the thousands.

11. $6004 - 2678 = \blacksquare$

$$\begin{array}{r} {}^{5}\cancel{6}\,{}^{9}\cancel{0}\,{}^{9}\cancel{0}\,{}^{14}\cancel{4} \\ -\ 2678 \\ \hline 6 \end{array}$$
Subtract the ones.

$$\begin{array}{r} {}^{5}\cancel{6}\,{}^{9}\cancel{0}\,{}^{9}\cancel{0}\,{}^{14}\cancel{4} \\ -\ 2678 \\ \hline 26 \end{array}$$
Subtract the tens.

$$\begin{array}{r} {}^{5}\cancel{6}\,{}^{9}\cancel{0}\,{}^{9}\cancel{0}\,{}^{14}\cancel{4} \\ -\ 2678 \\ \hline 326 \end{array}$$
Subtract the hundreds.

$$\begin{array}{r} {}^{5}\cancel{6}\,{}^{9}\cancel{0}\,{}^{9}\cancel{0}\,{}^{14}\cancel{4} \\ -\ 2678 \\ \hline 3326 \end{array}$$
Subtract the thousands.

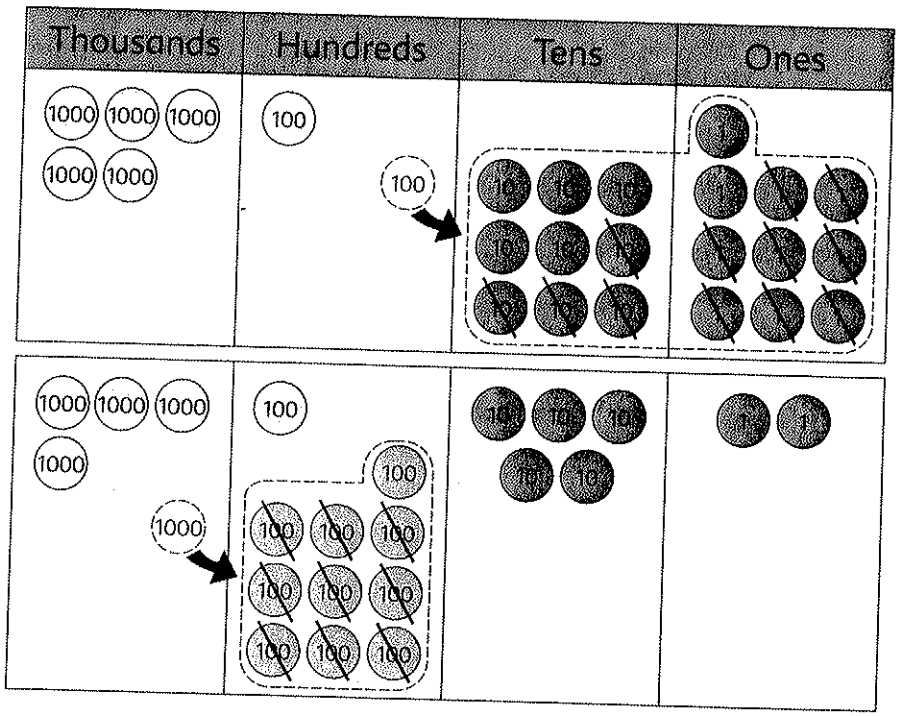
12. Find the value of
(a) $4000 - 392$
(b) $7002 - 4847$
(c) $3020 - 2430$
(d) $5000 - 2074$

13. 5200

14. Find
(a)
(c)
(e)

13. $5200 - 948 =$ ▪

$$\begin{array}{r} 5200 \\ -\ 948 \\ \hline \blacksquare \end{array}$$



$$\begin{array}{r} {\scriptstyle 1\ 9\ 10} \\ 5\cancel{2}\cancel{0}\cancel{0} \\ -\ 948 \\ \hline 2 \end{array}$$

Subtract the ones.

$$\begin{array}{r} {\scriptstyle 1\ 9\ 10} \\ 5\cancel{2}\cancel{0}\cancel{0} \\ -\ 948 \\ \hline 52 \end{array}$$

Subtract the tens.

$$\begin{array}{r} {\scriptstyle 4\ 11\ 9\ 10} \\ 5\cancel{2}\cancel{0}\cancel{0} \\ -\ 948 \\ \hline 252 \end{array}$$

Subtract the hundreds.

$$\begin{array}{r} {\scriptstyle 4\ 11\ 9\ 10} \\ 5\cancel{2}\cancel{0}\cancel{0} \\ -\ 948 \\ \hline 4252 \end{array}$$

Subtract the thousands.

14. Find the value of

(a) $8007 - 3429$
(b) $6900 - 745$
(c) $9403 - 4275$
(d) $5302 - 4618$
(e) $7063 - 5476$
(f) $10{,}000 - 5721$

Workbook Exercise 12

PRACTICE 2C

Find the value of each of the following:

	(a)	(b)	(c)
1.	4329 + 5450	3642 + 1253	7465 − 3214
2.	6347 + 2613	5294 + 2706	5277 − 1863
3.	4389 + 3175	7804 − 6935	8016 − 5452
4.	3490 + 1844	8000 − 3405	3378 − 2499

5. A shop sold 957 beef burritos and 1238 chicken burritos.
   How many burritos were sold altogether?

6. 1730 people visited a book fair in the morning.
   2545 people visited the book fair in the afternoon.
   How many more people visited the book fair in the afternoon than in the morning?

7. $2937 were donated by Mr. Garcia and Mr. Lin.
   Mr. Garcia donated $1450.
   How much money did Mr. Lin donate?

8. Mr. Wallace earned $3265.
   His wife earned $2955.
   How much more money did he earn than his wife?

9. 1147 people went to Sentosa by cable car.
   3996 more people went to Sentosa by ferry than by cable car.
   How many people went to Sentosa by ferry?

10. Alice saved $2900.
    She saved $1567 less than her brother.
    How much did her brother save?

PRACTICE 2D

Find the value of each of the following:

	(a)	(b)	(c)
1.	6203 + 977	2645 + 3875	8300 − 4251
2.	5472 + 4415	4975 + 1928	9613 − 5357
3.	2446 + 6596	7042 − 5170	3142 − 1455
4.	3421 + 4282	9000 − 6571	7173 − 3654

5. There were 2055 people at a concert.
   1637 of them were adults.
   How many children were there?

6. There are 1206 students in a school.
   47 of them were absent yesterday.
   How many students were present?

7. Out of 2316 tickets sold, 1548 tickets were for a football game.
   The rest were for a basketball game.
   How many tickets for the basketball game were sold?

8. The table shows the prices of two pianos.
   How much cheaper is Piano B than Piano A?

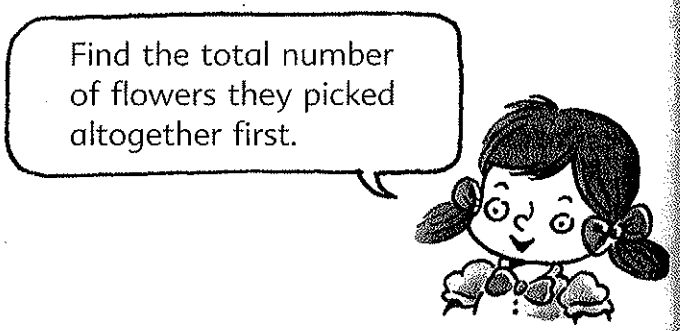
Piano A	$2005
Piano B	$1542

9. Mr. Johnson had $5000.
   He spent $2572 on a computer and $955 on a television set.
   (a) How much money did he spend?
   (b) How much money did he have left?

10. In a school, there are 1225 girls and 904 boys.
    (a) How many fewer boys are there than girls?
    (b) How many students are there altogether?

4 Two-step Word Problems

Jamie picked 17 flowers and Lindsey picked 12.
They gave away 20 of the flowers.
How many flowers were left?



$17 + 12 = 29$

They picked 29 flowers altogether.

$29 - 20 =$ ■

■ flowers were left.

1. 125
54 o
How

Ther

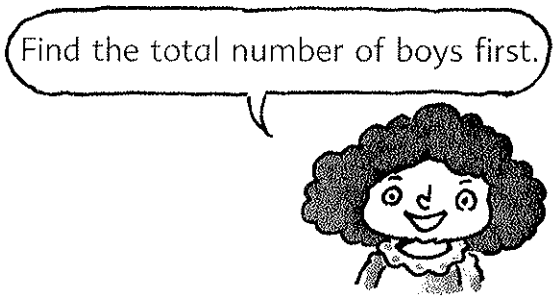
Ther

2. Ali c
He c
How

Ali's

They

1. 125 children took part in a mathematics competition.
54 of them were girls.
How many more boys than girls were there?



$125 - 54 = 71$

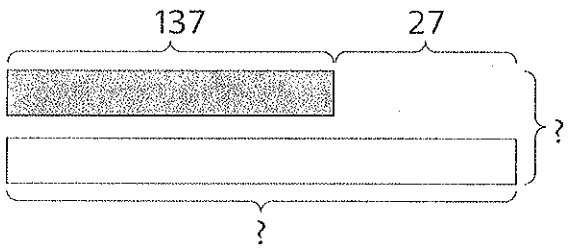
There were 71 boys.

$71 - 54 =$ ▒

There were ▒ more boys than girls.

2. Ali collected 137 stamps.
He collected 27 stamps less than his sister.
How many stamps did they collect altogether?

$137 + 27 = 164$



Ali's sister collected 164 stamps.

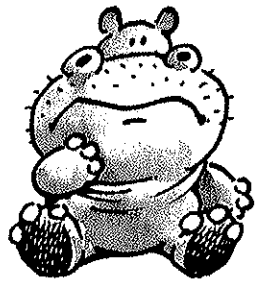
$137 + 164 =$ ▒

They collected ▒ stamps altogether.

PRACTICE 2E

1. A farmer collected 1930 chicken eggs.
   He collected 859 fewer duck eggs than chicken eggs.
   How many eggs did he collect altogether?

2. 4100 children took part in an art competition.
   2680 of them were boys.
   How many more boys than girls were there?



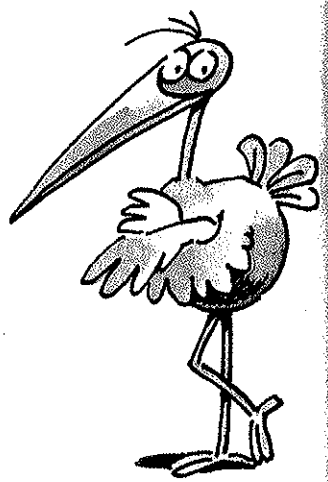
3. Ali made 1050 sticks of chicken satay and
   950 sticks of beef satay.
   He sold 1765 sticks of satay altogether.
   How many sticks of satay did he have left?

4. Mark earned $3915.
   He spent $1268 on food and $1380 on rent and transport.
   How much did he have left?

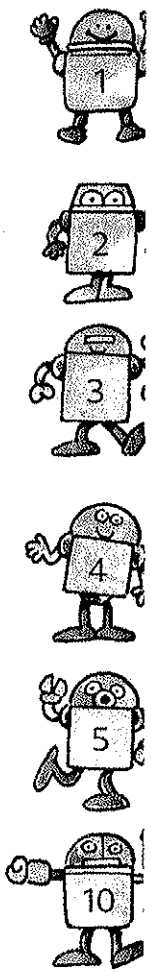
5. A refrigerator costs $1739.
   An oven is $850 cheaper than the refrigerator.
   Mrs. Coles buys both the refrigerator and the oven.
   How much does she pay?

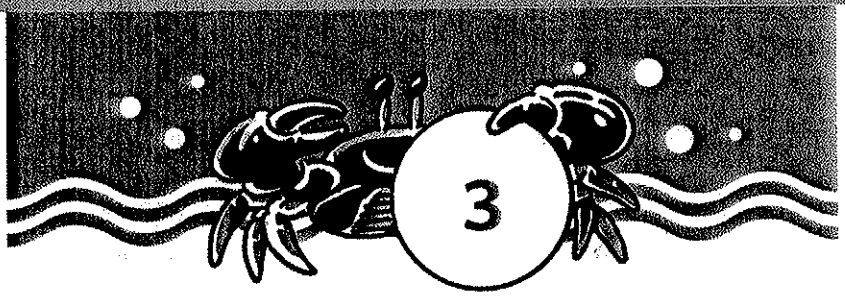
6. Mary had $2467 in a bank.
   She deposited another $133.
   How much more money must she deposit if she wants to
   have $3000 in the bank?

7. There are 4608 members in a club.
   2745 of them are men.
   855 are women.
   The rest are children.
   How many children are there?



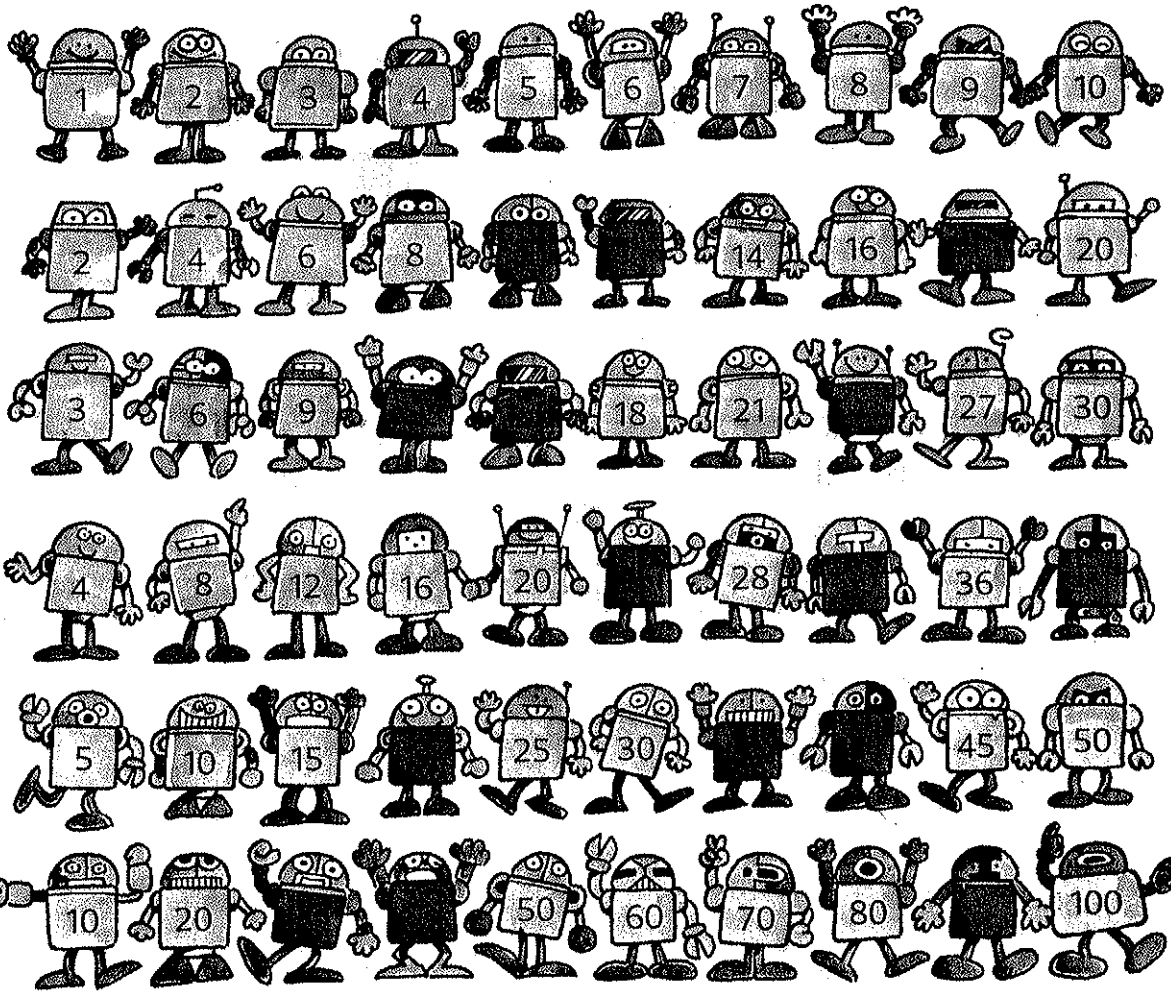
8. Miss Li saved $1035.
   Miss Wang saved $278 more than Miss Li.
   Miss Wu saved $105 less than Miss Wang.
   How much did Miss Wu save?

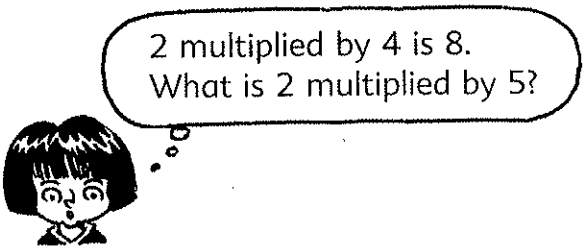




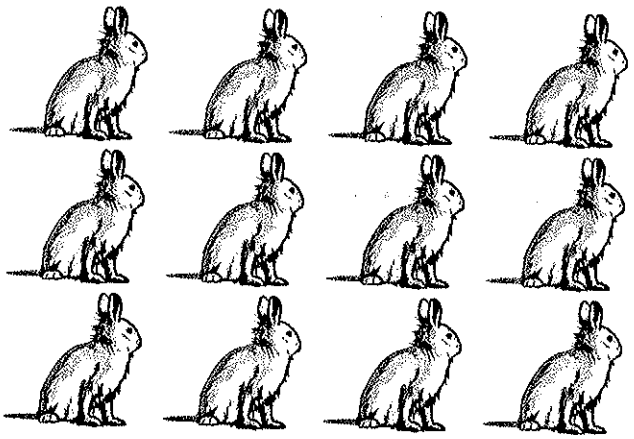
Multiplication and Division

1 Looking Back





1. Complete the number sentences.



$4 \times 3 =$ ■ $\qquad 3 \times 4 =$ ■

$4 + 4 + 4 =$ ■

$3 + 3 + 3 + 3 =$ ■

Workbook Exercises 14 & 15

2. What are the missing numbers?

■ × 4 = 28
4 × ■ = 28
→ 28 ÷ 4 = ■

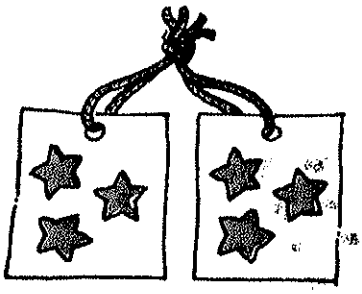
■ × 3 = 30
3 × ■ = 30
→ 30 ÷ 3 = ■

■ × 5 = 35
5 × ■ = 35
→ 35 ÷ 5 = ■

■ × 10 = 40
10 × ■ = 40
→ 40 ÷ 10 = ■

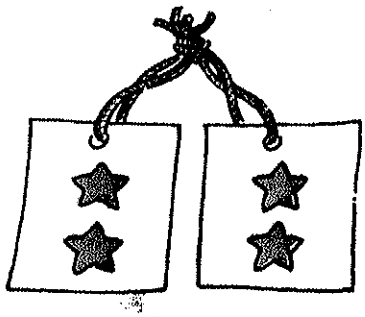
3. How many stars are there on each pair of cards?

(a)



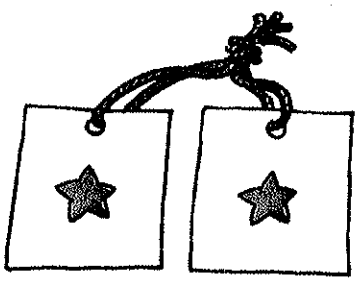
$3 \times 2 =$ ■

(b)



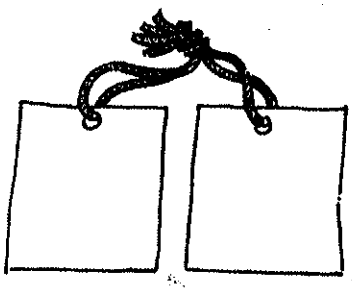
$2 \times 2 =$ ■

(c)



$1 \times 2 =$ ■

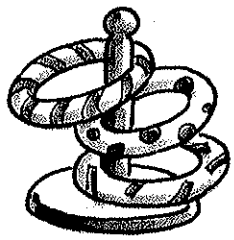
(d)



$0 \times 2 =$ ■

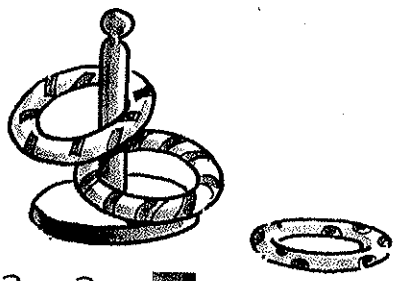
4. A player threw 3 rings over the post.
For each ring that was thrown in, the player scored 2 points.
How many points were scored in each of the following?

(a)



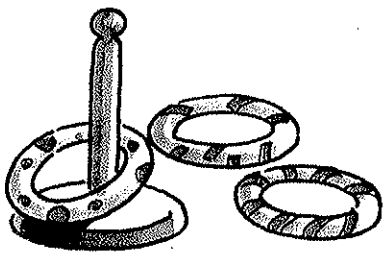
$2 \times 3 =$ ■

(b)



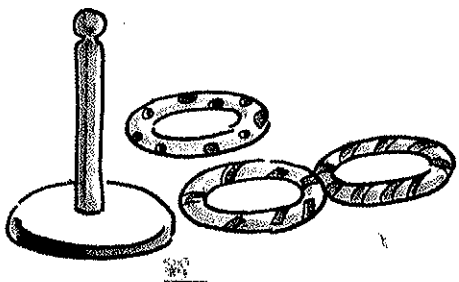
$2 \times 2 =$ ■

(c)



$2 \times 1 =$ ■

(d)

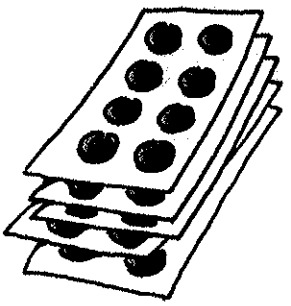


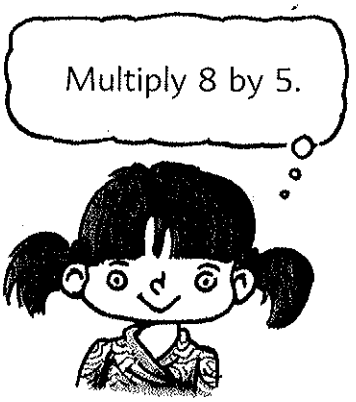
$2 \times 0 =$ ■

Workbook Exercises 16 & 17

5. There are 8 buttons on each card.
How many buttons are there on 5 cards?

$8 \times 5 =$ ■

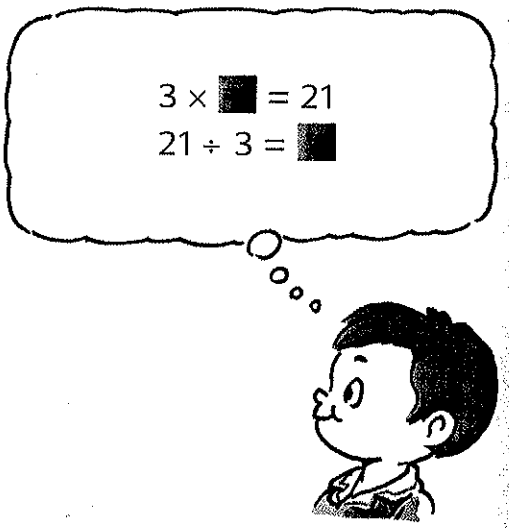




There are ■ buttons altogether.

6. A tailor used 21 m of cloth to make dresses.
She used 3 m of cloth for each dress.
How many dresses did she make?

$21 \div 3 =$ ■



She made ■ dresses.

Workbook Exercise 18

PRACTI

Find the v

(a)

1. 4×3
2. 5×6
3. 7×0

4. Nicole
There
How

5. Sean
There
How

6. Devi
How

7. Ashle
What

8. Wend
She p
How

9. David
How

10. There
3 boy
How

11. 3 chil
Each
How

PRACTICE 3A

Find the value of each of the following:

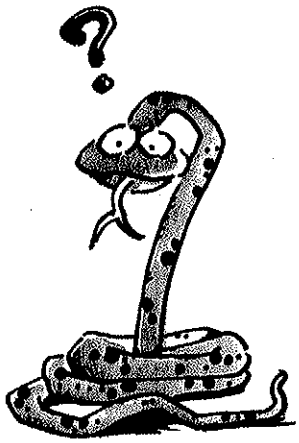
	(a)	(b)	(c)	(d)
1.	4×3	$16 \div 2$	0×4	$50 \div 10$
2.	5×6	$21 \div 3$	2×10	$0 \div 4$
3.	7×0	$36 \div 4$	4×9	$18 \div 2$

4. Nicole bought 3 packets of strawberries.
   There were 8 strawberries in each packet.
   How many strawberries did she buy altogether?

5. Sean arranged 24 toy soldiers in 4 rows.
   There were an equal number of toy soldiers in each row.
   How many toy soldiers were there in each row?

6. Devi saved $5 a week for 8 weeks.
   How much did she save altogether?

7. Ashley paid $18 for 3 kg of cherries.
   What was the cost of 1 kg of cherries?



8. Wendy baked 6 cakes.
   She put 10 cherries on each cake.
   How many cherries did she use altogether?

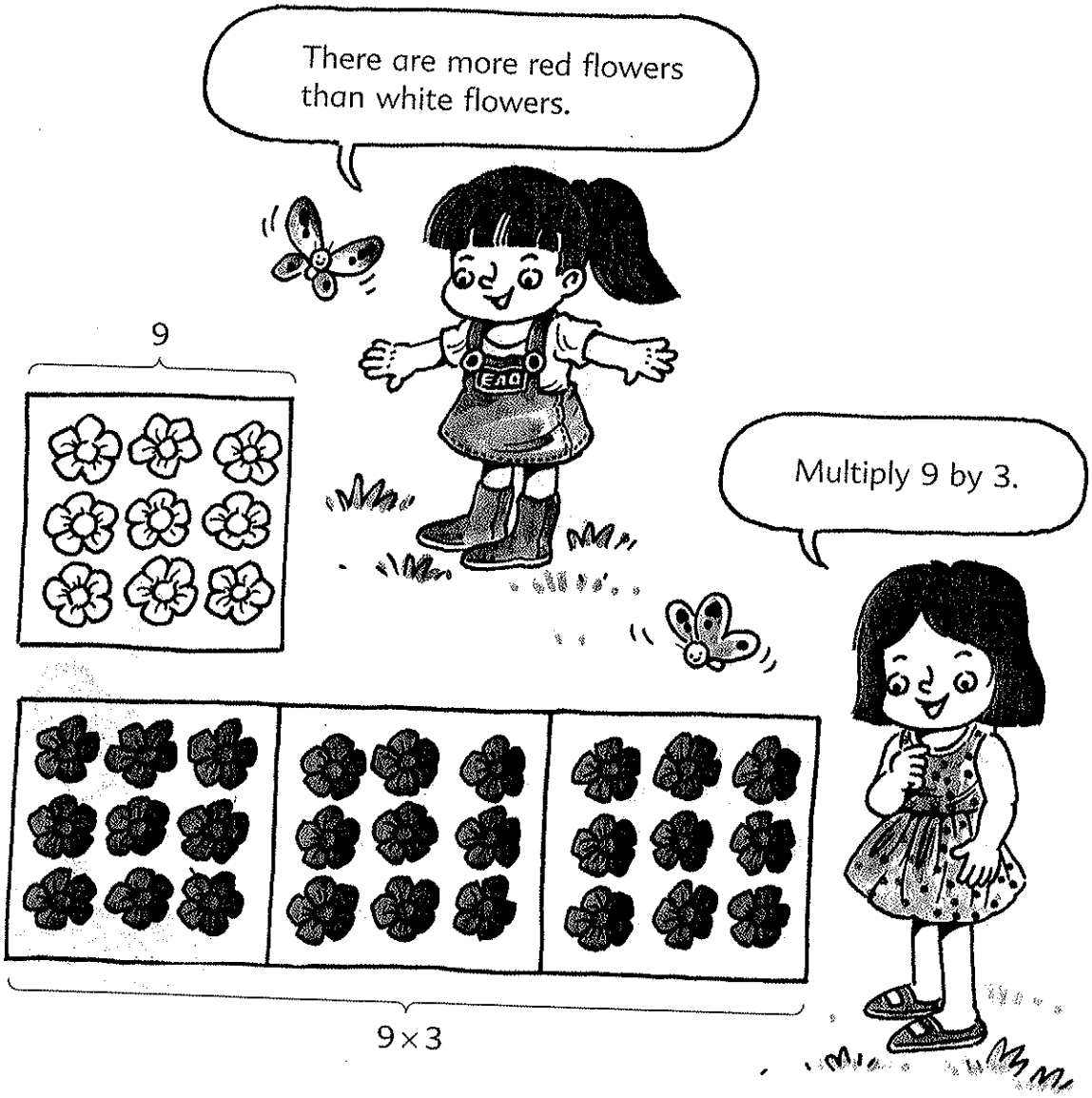
9. David bought 4 pineapples at $3 each.
   How much did he pay altogether?

10. There were 27 desks to clean.
    3 boys shared the work equally.
    How many desks did each boy clean?

11. 3 children made 24 birthday cards altogether.
    Each child made the same number of cards.
    How many cards did each child make?

2 More Word Problems

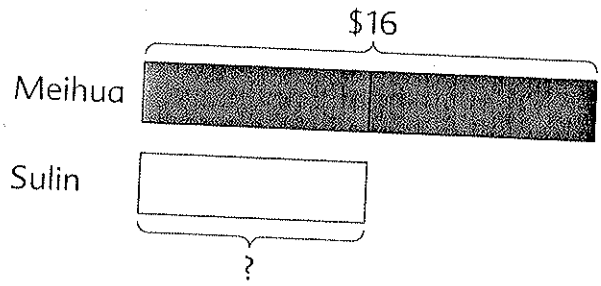
There are 9 white flowers.
There are 3 times as many red flowers as white flowers.
How many red flowers are there?

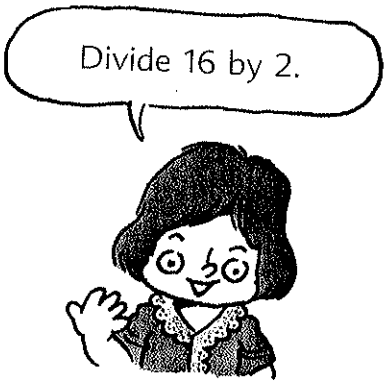


$9 \times 3 = 27$

There are ▮ red flowers.

1. Meihua has $16.
She has twice as much money as Sulin.
How much money does Sulin have?

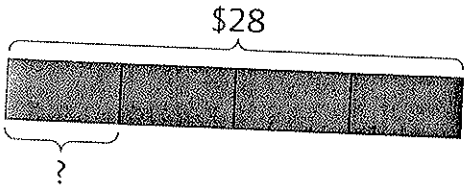


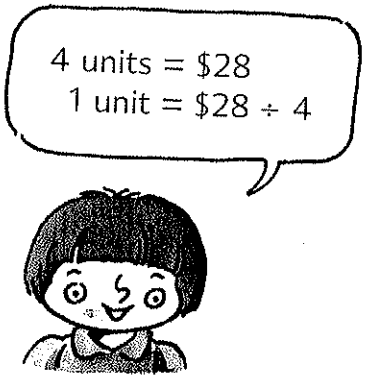


$16 \div 2 =$ ▪

Sulin has $▪.

2. 4 children bought a present for $28.
They shared the cost equally.
How much did each child pay?

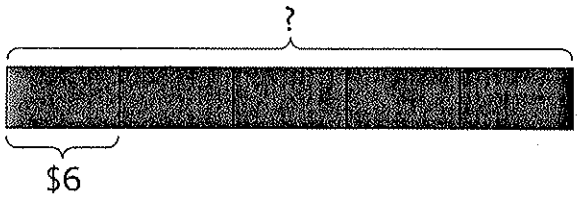




$28 \div 4 =$ ▪

Each child paid $▪.

3. 5 children shared the cost of a present equally.
Each of them paid $6.
What was the cost of the present?



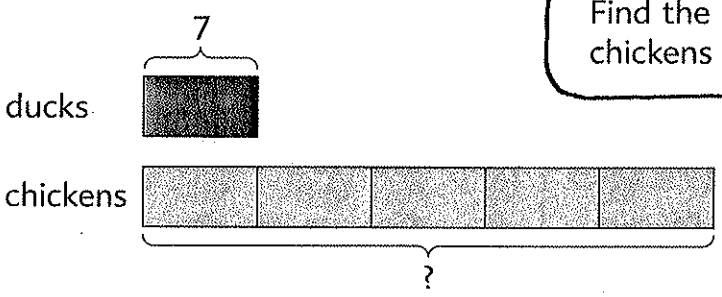
1 unit = $6
5 units = $6 × 5

$6 \times 5 = \blacksquare$

The cost of the present was $\blacksquare$.

Workbook Exercise 19

4. A farmer has 7 ducks.
He has 5 times as many chickens as ducks.
How many more chickens than ducks does he have?



Find the number of chickens first.

$7 \times 5 = 35$

He has 35 chickens.

$35 - 7 = \blacksquare$

He has $\blacksquare$ chickens more than ducks.

Workbook Exercise 20

PRACT

Find the

(a)

1. 6 ×
2. 7 ×
3. 3 ×
4. 7 ×
5. 9 ×
6. Ther
   Ther
   How
7. A to
   A tr
   Who
8. Mrs.
   Each
   How
9. Harr
   He i
   How
10. Emil
    Ther
    (a)
    (b)
11. Miss
    She
    (a)
    (b)
12. Ther
    Ther
    red b
    How

PRACTICE 3B

Find the value of each of the following:

	(a)	(b)	(c)	(d)
1.	6×2	$24 \div 3$	2×7	$32 \div 4$
2.	7×3	$14 \div 2$	5×6	$20 \div 5$
3.	3×4	$25 \div 5$	4×8	$28 \div 4$
4.	7×5	$16 \div 4$	10×2	$60 \div 10$
5.	9×10	$70 \div 10$	3×9	$36 \div 4$

6. There are 6 rows of chairs.
There are 30 chairs altogether.
How many chairs are there in each row?

7. A toy car costs $6.
A train set costs 5 times as much as the toy car.
What is the cost of the train set?

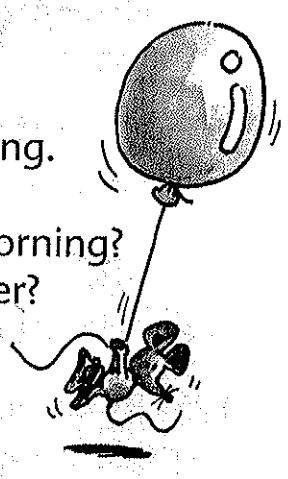
8. Mrs. Lee bought 10 towels.
Each towel cost $8.
How much did she pay?

9. Harry weighs 36 kg.
He is 4 times as heavy as his brother.
How heavy is his brother?

10. Emily bought 4 boxes of pencils.
There were 5 blue pencils and 3 red pencils in each box.
(a) How many pencils were there in each box?
(b) How many pencils did Emily buy?

11. Miss Li graded 5 sets of 8 journals in the morning.
She graded 30 journals in the afternoon.
(a) How many journals did she grade in the morning?
(b) How many journals did she grade altogether?

12. There are 9 red balloons.
There are 3 times as many blue balloons as red balloons.
How many balloons are there altogether?



PRACTICE 3C

12/19

Find the value of each of the following:

	(a)	(b)	(c)	(d)
1.	1×5	$14 \div 2$	6×3	$28 \div 4$
2.	9×2	$12 \div 4$	5×7	$40 \div 5$
3.	3×3	$0 \div 5$	3×8	$15 \div 3$
4.	8×4	$90 \div 10$	2×0	$70 \div 10$
5.	0×4	$21 \div 3$	4×6	$0 \div 2$

6. Andy earned $10 a day.
He worked for 7 days.
How much did he earn altogether?

7. Miss Meyer bought 15 kg of rice.
She bought 3 times as much rice as sugar.
How many kilograms of sugar did she buy?

8. Devi practiced on the piano for 2 hours each day.
How many hours did she practice in 7 days?

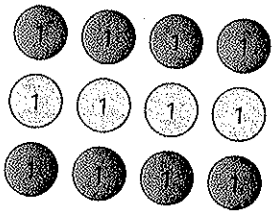
9. Lynn poured 16 qt of syrup equally into 4 bottles.
How many quarts of syrup were there in each bottle?

10. Melissa has 6 postcards.
Sally has 3 times as many postcards as Melissa.
How many more postcards does Sally have than Melissa?

11. Brian has 6 goldfish.
He has 5 times as many guppies as goldfish.
If he puts his guppies equally into 3 tanks, how many guppies are there in each tank?

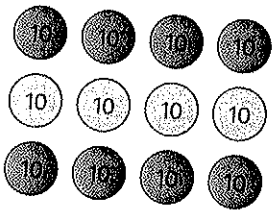
12. Ryan bought 18 pencils.
He bought twice as many pencils as pens.
How much did he pay for the pens if each pen cost $3?

3 Multiplying Ones, Tens and Hundreds



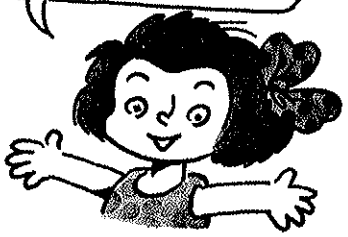
$4 \times 3 = 12$

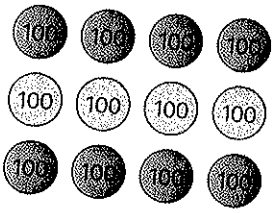
Multiply 4 ones by 3:
4 ones × 3 = 12 ones



$40 \times 3 =$ ■

Multiply 4 tens by 3:
4 tens × 3 = 12 tens





$400 \times 3 =$ ■

Multiply 4 hundreds by 3:
4 hundreds × 3 = 12 hundreds

4	40	400
× 3	× 3	× 3
12	120	1200
12 ones	12 tens	12 hundreds

1. Find the value of

(a) 9×5 (b) 90×5 (c) 900×5

(d) 5×9 (e) 50×9 (f) 500×9

4500

Workbook Exercise 21

2. Multiply 12 by 4.

$$\begin{array}{r} 12 \\ \times \quad 4 \\ \hline \blacksquare \end{array}$$

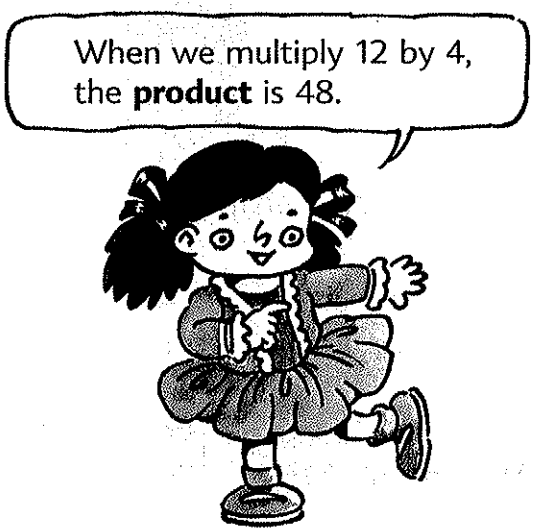
Tens	Ones
10 10 10 10	1 1 1 1 1 1 1 1
$10 \times 4 = 40$	$2 \times 4 = 8$

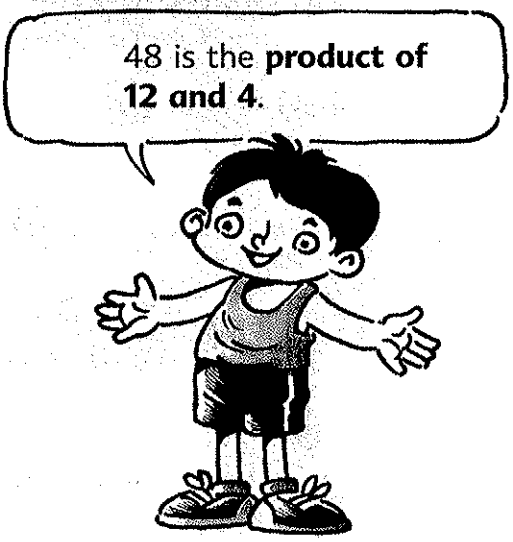
$$\begin{array}{r} 12 \\ \times \quad 4 \\ \hline \mathbf{8} \end{array}$$

Multiply the ones by 4.

$$\begin{array}{r} 12 \\ \times \quad 4 \\ \hline \mathbf{48} \end{array}$$

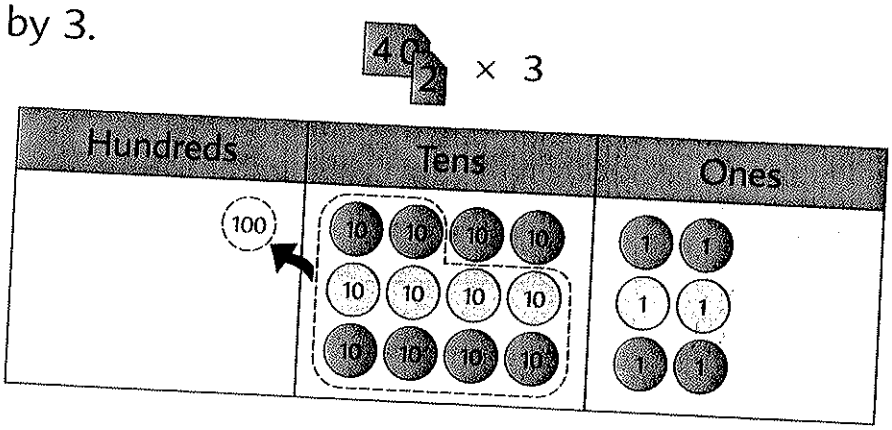
Multiply the tens by 4.





3. Multiply 42 by 3.

$$\begin{array}{r} 42 \\ \times\ \ 3 \\ \hline \end{array}$$



$$\begin{array}{r} 42 \\ \times\ \ 3 \\ \hline 6 \end{array}$$

Multiply the ones by 3.

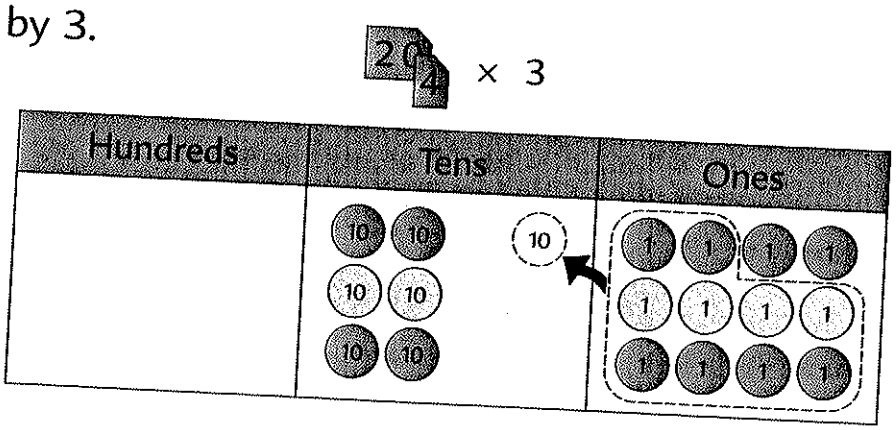
$$\begin{array}{r} 42 \\ \times\ \ 3 \\ \hline 126 \end{array}$$

Multiply the tens by 3.

Workbook Exercise 22

4. Multiply 24 by 3.

$$\begin{array}{r} {}^{1}24 \\ \times\ \ 3 \\ \hline \end{array}$$



$$\begin{array}{r} {}^{1}24 \\ \times\ \ 3 \\ \hline 2 \end{array}$$

Multiply the ones by 3.

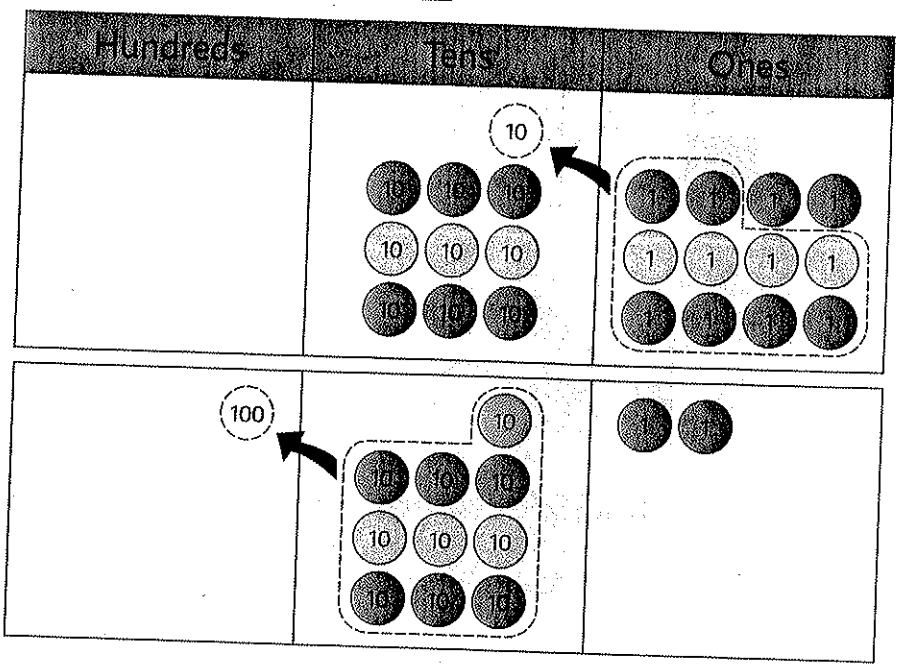
$$\begin{array}{r} {}^{1}24 \\ \times\ \ 3 \\ \hline 72 \end{array}$$

Multiply the tens by 3.

5. Multiply 34 by 3.

$$\begin{array}{r} 34 \\ \times\ \ 3 \\ \hline \end{array}$$

30 + 4 × 3



$$\begin{array}{r} {\scriptstyle 1}\,34 \\ \times\ \ 3 \\ \hline 2 \end{array}$$

Multiply the ones by 3.

$$\begin{array}{r} {\scriptstyle 1}\,34 \\ \times\ \ 3 \\ \hline 102 \end{array}$$

Multiply the tens by 3.

6. Find the product for each of the following:

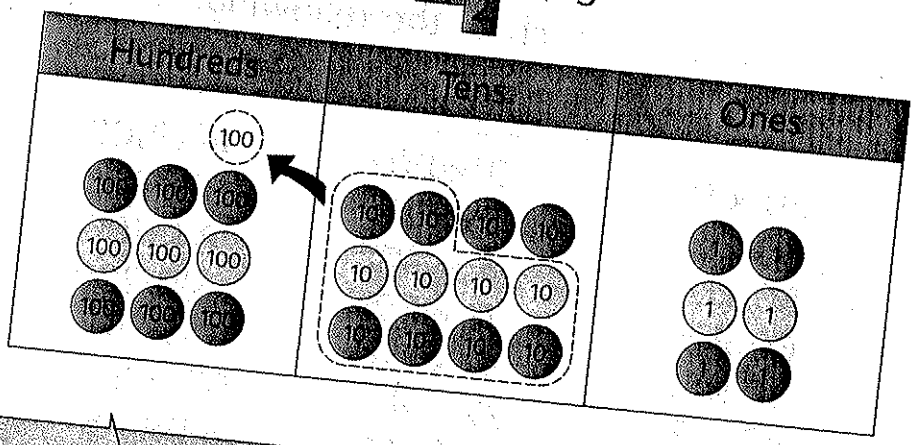
(a) 81×2 (b) 16×3 (c) 3×37
(d) 52×4 (e) 23×4 (f) 5×45
(g) 63×3 (h) 24×5 (i) 4×38

Workbook Exercise 23

7. $3 \times 342 =$ ■

$\times$ 3

$$\begin{array}{r} 342 \\ \times \quad 3 \\ \hline \blacksquare \end{array}$$



$$\begin{array}{r} 342 \\ \times \quad 3 \\ \hline 6 \end{array}$$

Multiply the ones by 3.

$$\begin{array}{r} {\scriptstyle 1} \\ 342 \\ \times \quad 3 \\ \hline 26 \end{array}$$

Multiply the tens by 3.

$$\begin{array}{r} {\scriptstyle 1} \\ 342 \\ \times \quad 3 \\ \hline 1026 \end{array}$$

Multiply the hundreds by 3.

8. Find the product of 245 and 3.

$$\begin{array}{r} {\scriptstyle 1} \\ 245 \\ \times \quad 3 \\ \hline 5 \end{array}$$

Multiply the ones by 3.

$$\begin{array}{r} {\scriptstyle 1\,1} \\ 245 \\ \times \quad 3 \\ \hline 35 \end{array}$$

Multiply the tens by 3.

$$\begin{array}{r} {\scriptstyle 1\,1} \\ 245 \\ \times \quad 3 \\ \hline 735 \end{array}$$

Multiply the hundreds by 3.

9. Find the product for each of the following:

(a) 214×2 (b) 323×3 (c) 4×231

(d) 620×3 (e) 451×2 (f) 3×234

(g) 289×3 (h) 704×5 (i) 5×436

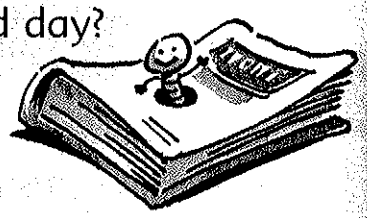
Workbook Exercise 24

PRACTICE 3D

Find the value of each of the following:

	(a)	(b)	(c)	(d)
1.	20×9	3×80	4×500	200×5
2.	40×6	5×10	5×800	400×4
3.	50×2	4×30	8×100	300×5
4.	60×4	6×50	6×200	400×7
5.	30×8	9×20	7×400	500×4
6.	32×3	72×4	52×5	58×2
7.	2×49	4×43	3×75	5×43

8. A bookseller sold 30 books on the first day.
On the second day, he sold 8 times as many books as on the first day.
How many books did he sell on the second day?



9. Mingfa had 4 rolls of film.
He took 24 pictures with each roll.
How many pictures did he take altogether?

10. There are 5 rows of tiles.
There are 56 tiles in each row.
How many tiles are there altogether?

11. Meihua collected 76 stickers.
Sulin collected 3 times as many stickers as Meihua.
How many stickers did Sulin collect?

12. Devi bought 4 dolls at $38 each.
How much did she pay altogether?

PRACTICE 3E

Find the value of each of the following:

	(a)	(b)	(c)	(d)
1.	300×4	3×312	419×5	4×550
2.	901×2	3×508	625×4	5×392
3.	614×5	4×432	781×5	3×623
4.	800×5	2×506	439×4	5×556
5.	249×3	5×361	968×4	2×704

6. There are 126 pins in one box.
   How many pins are there in 3 boxes?

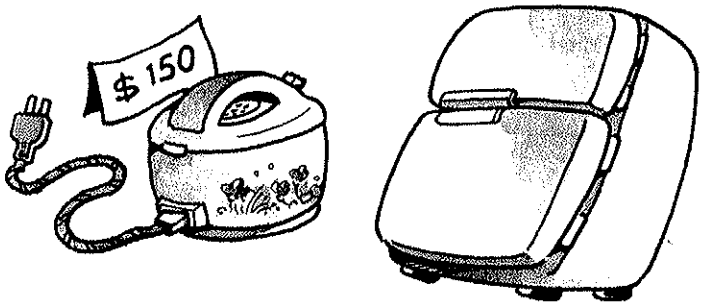
7. A radio costs $262.
   A television set costs 4 times as much as the radio.
   How much does the television set cost?

8. Mrs. Owen bought 3 boxes of beads.
   There were 260 beads in each box.
   How many beads did she buy altogether?

9. One packet of cookies weighs 250 g.
   What is the total weight of 5 packets of cookies?

10. Cassey sold 680 eggs last week.
    She sold 4 times as many eggs this week as last week.
    How many eggs did she sell altogether?

11. The refrigerator costs 5 times as much as the rice cooker.
    What is the total cost of the refrigerator and the rice cooker?



PRACTICE 3F

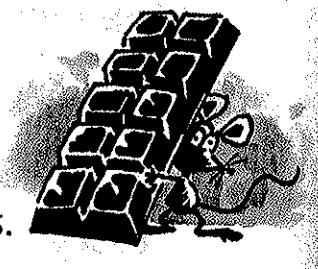
Find the value of each of the following:

	(a)	(b)	(c)	(d)
1.	12×2	3×14	16×5	4×18
2.	223×2	4×527	129×2	3×326
3.	252×3	4×763	372×5	3×284
4.	724×2	3×105	414×4	5×120
5.	260×3	5×415	509×5	4×309

6. Kate made 280 egg salad sandwiches for a party.
She made 3 times as many chicken sandwiches as egg salad sandwiches.
How many chicken sandwiches did she make?

7. There are 365 days in a year.
How many days are there in 4 years?

8. A pilot flies 105 hours in one month.
How many hours will he fly in 5 months?



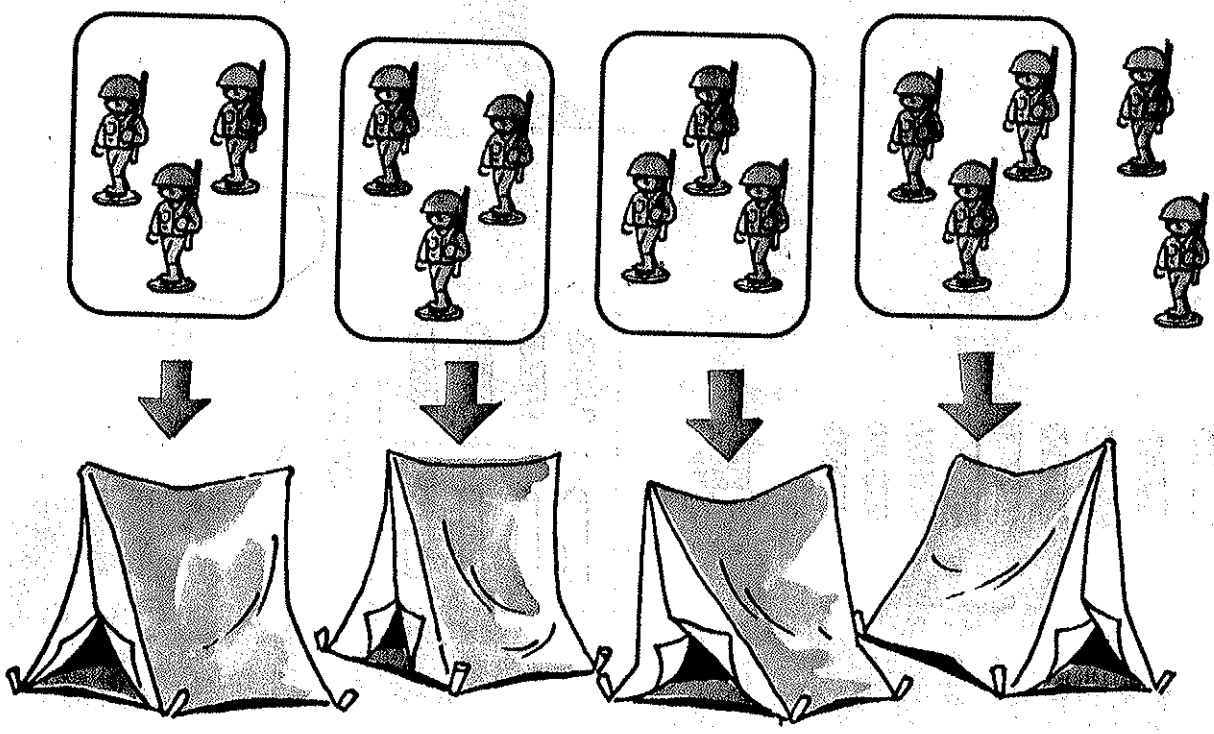
9. One box of chocolates weighs 350 g.
Find the total weight of 2 boxes of chocolates.

10. There were 30 cakes in one box.
Wendy bought 4 boxes of cakes.
How much did she pay for the cakes if each cake cost $3?

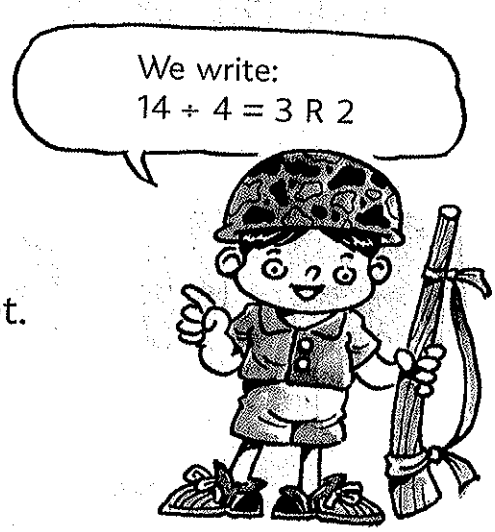
11. There are 18 chairs in the first row.
There are 25 chairs in each of the other 5 rows.
How many chairs are there altogether?

4 Quotient and Remainder

Meihua has 14 toy soldiers.
She puts the toy soldiers equally into 4 tents.
How many soldiers are there in each tent?
How many soldiers are left?

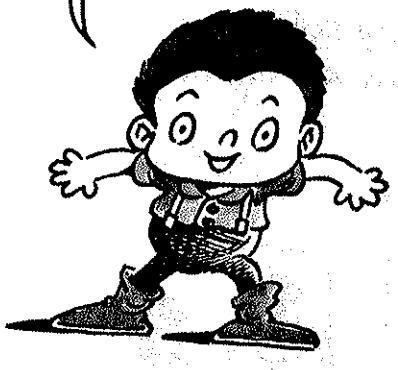


14 ÷ 4 = 3 with remainder 2



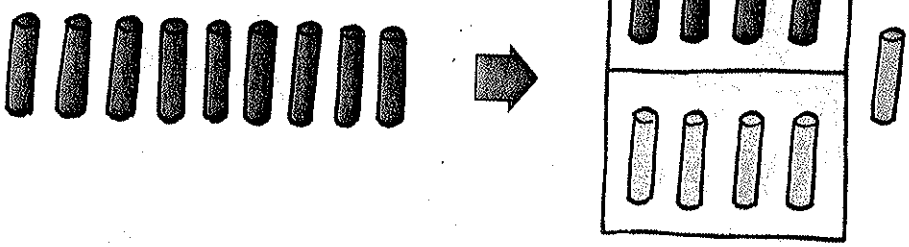
There are ▪ soldiers in each tent.
▪ soldiers are left.

When 14 is divided by 4, the **quotient** is 3 and the **remainder** is 2.



$$\begin{array}{r} 3\ \text{R}\ 2 \\ 4\overline{)14} \\ \underline{12} \quad \leftarrow 3 \times 4 \\ 2 \quad \leftarrow 14 - 12 \end{array}$$

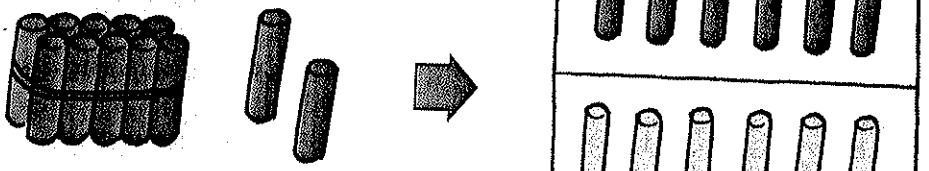
1. Divide 9 by 2.



$$9 \div 2 = \blacksquare$$

$$\begin{array}{r} 4\ \text{R}\ 1 \\ 2\overline{)9} \\ \underline{8} \\ 1 \end{array}$$

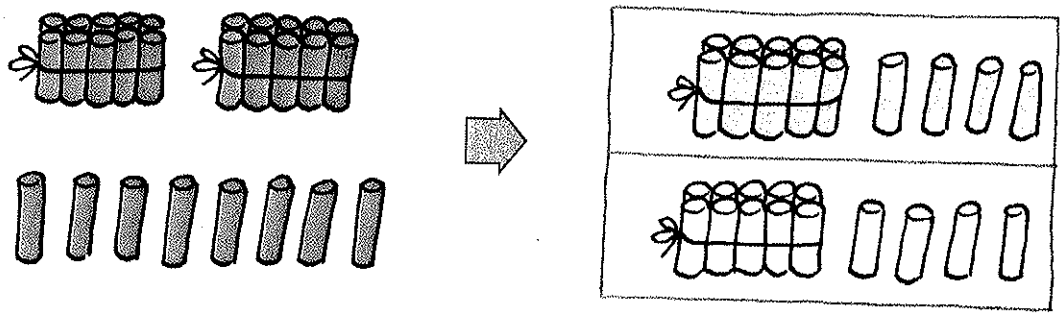
2. Divide 12 by 2.



$$12 \div 2 = \blacksquare$$

$$\begin{array}{r} 6 \\ 2\overline{)12} \\ \underline{12} \\ 0 \end{array}$$

3. $28 \div 2 =$ ■



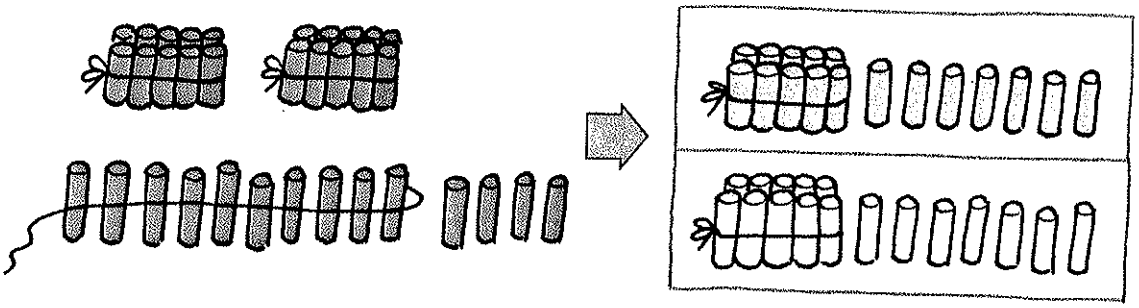
$$\begin{array}{r} 1 \\ 2\overline{)28} \\ \underline{2} \end{array}$$

2 tens ÷ 2 = 1 ten

$$\begin{array}{r} 14 \\ 2\overline{)28} \\ \underline{2} \\ 8 \\ \underline{8} \\ 0 \end{array}$$

8 ones ÷ 2 = 4 ones

4. $34 \div 2 =$ ■



$$\begin{array}{r} 1 \\ 2\overline{)34} \\ \underline{2} \\ 1 \end{array}$$

3 tens ÷ 2 = 1 ten with remainder 1 ten

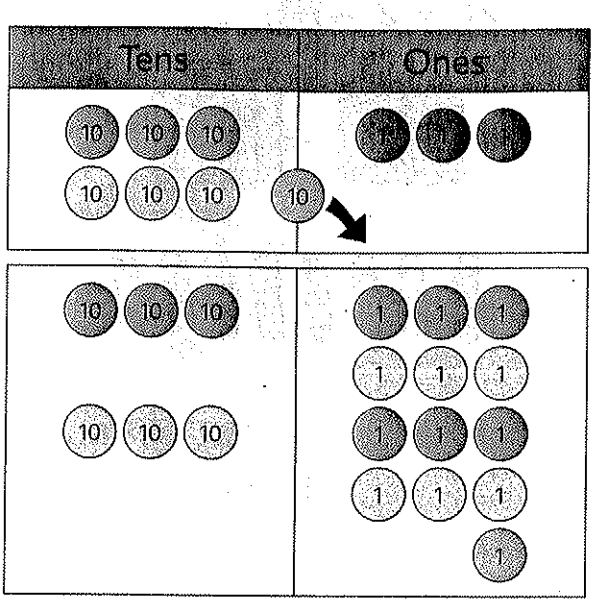
$$\begin{array}{r} 17 \\ 2\overline{)34} \\ \underline{2} \\ 14 \\ \underline{14} \\ 0 \end{array}$$

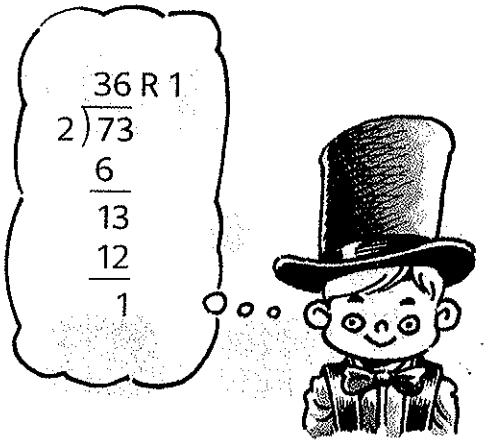
14 ones ÷ 2 = 7 ones

5. $73 \div 2 =$ ■

$$\begin{array}{r} \mathbf{3} \\ 2\overline{)73} \\ \mathbf{6} \\ \hline \mathbf{1} \end{array}$$

$$\begin{array}{r} \mathbf{36} \\ 2\overline{)73} \\ 6 \\ \hline 13 \\ \mathbf{12} \\ \hline \mathbf{1} \end{array}$$





When 73 is divided by 2, the quotient is ■ and the remainder is ■.

6. Numbers in which the ones digit is **0, 2, 4, 6** or **8** are called **even numbers**.
Numbers in which the ones digit is **1, 3, 5, 7** or **9** are called **odd numbers**.

What can you say about the remainder in each of the following?

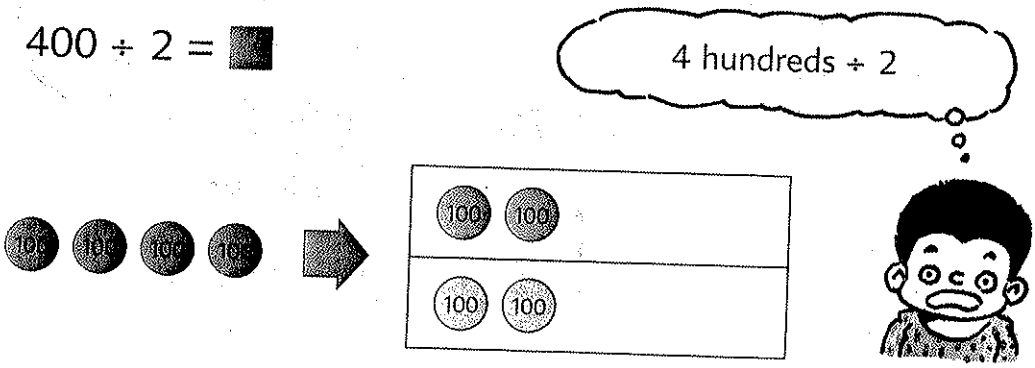
(a) an even number divided by 2

(b) an odd number divided by 2

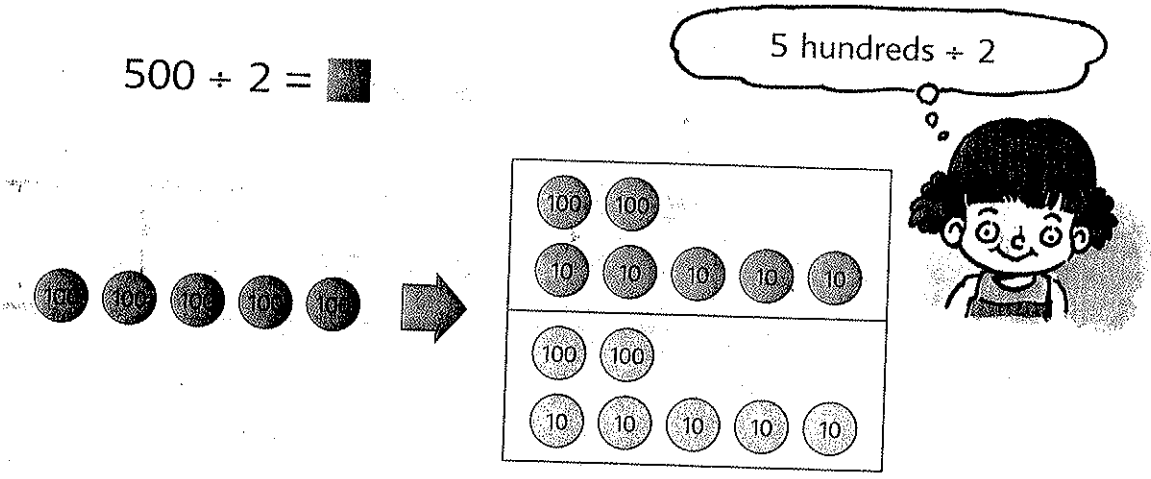
Workbook Exercise 25

5 Dividing Hundreds, Tens and Ones

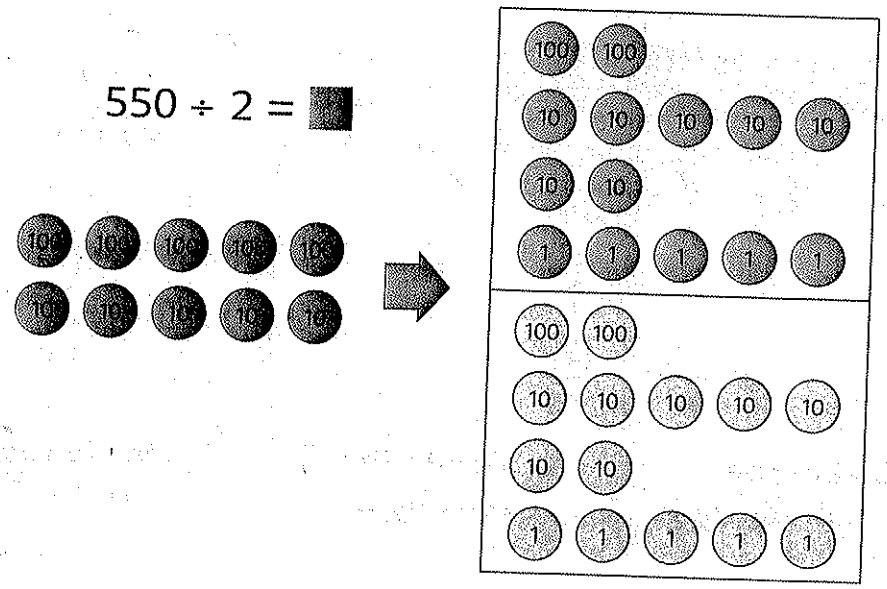
400 ÷ 2 = ■



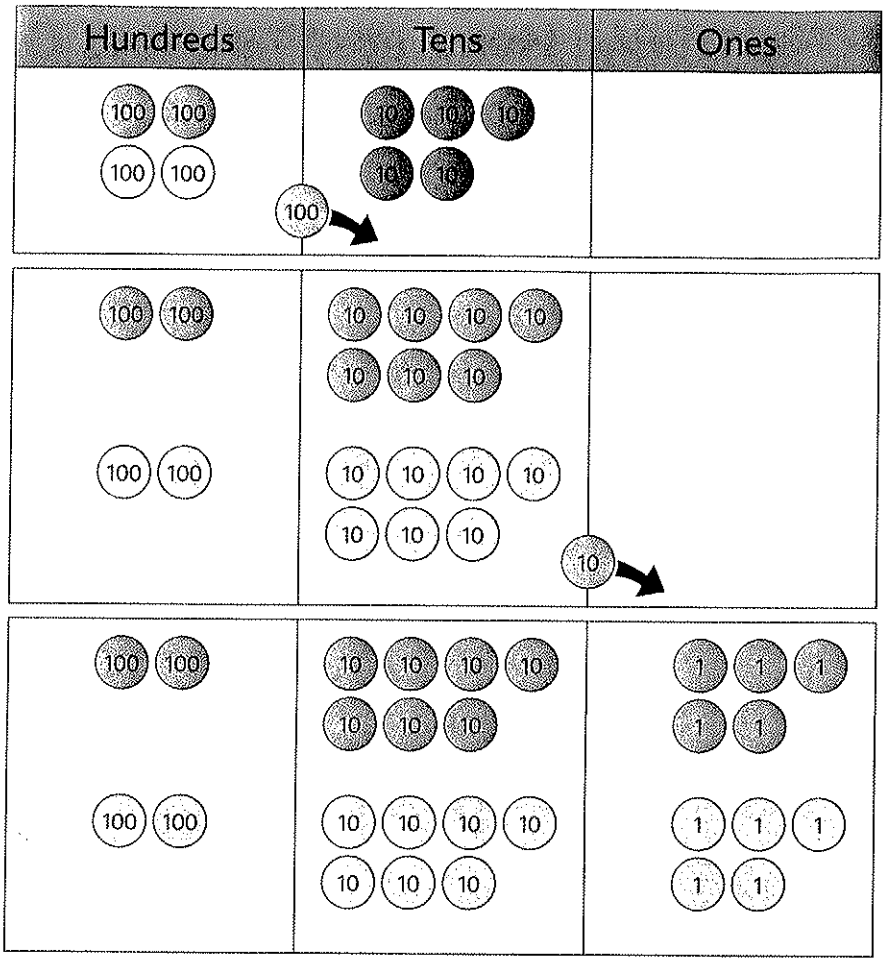
500 ÷ 2 = ■

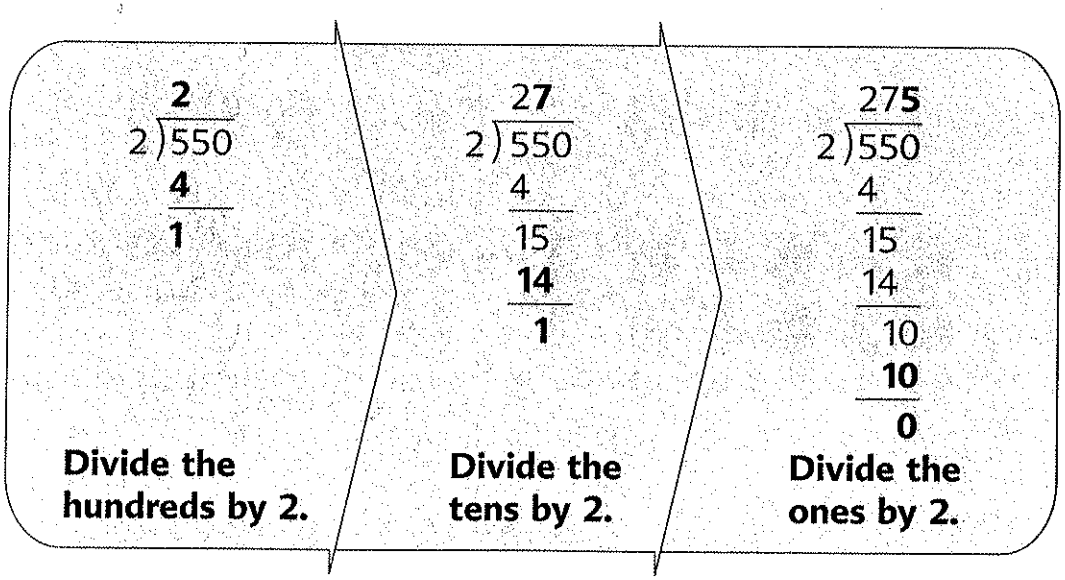


550 ÷ 2 = ■



$$2\overline{)550}$$





1. $96 \div 4 =$ ■

$$\begin{array}{r} \mathbf{2} \\ 4\overline{)96} \\ \mathbf{8} \\ \hline \mathbf{1} \end{array}$$

Divide the tens by 4.

$$\begin{array}{r} 24 \\ 4\overline{)96} \\ 8 \\ \hline 16 \\ \mathbf{16} \\ \hline \mathbf{0} \end{array}$$

Divide the ones by 4.

When 96 is divided by 4, the quotient is ■ and the remainder is ■.

2. $80 \div 3 =$ ■

$$\begin{array}{r} \mathbf{2} \\ 3\overline{)80} \\ \mathbf{6} \\ \hline \mathbf{2} \end{array}$$

Divide the tens by 3.

$$\begin{array}{r} 26 \\ 3\overline{)80} \\ 6 \\ \hline 20 \\ \mathbf{18} \\ \hline \mathbf{2} \end{array}$$

Divide the ones by 3.

When 80 is divided by 3, the quotient is ■ and the remainder is ■.

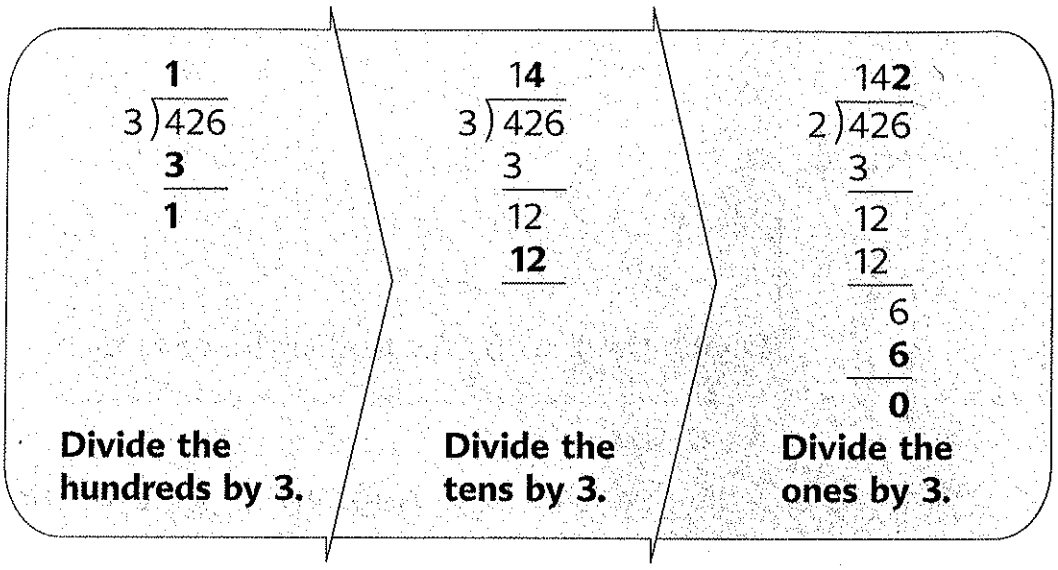
3. Find the quotient and remainder for each of the following:

(a) $48 \div 2$ (b) $60 \div 3$ (c) $54 \div 3$

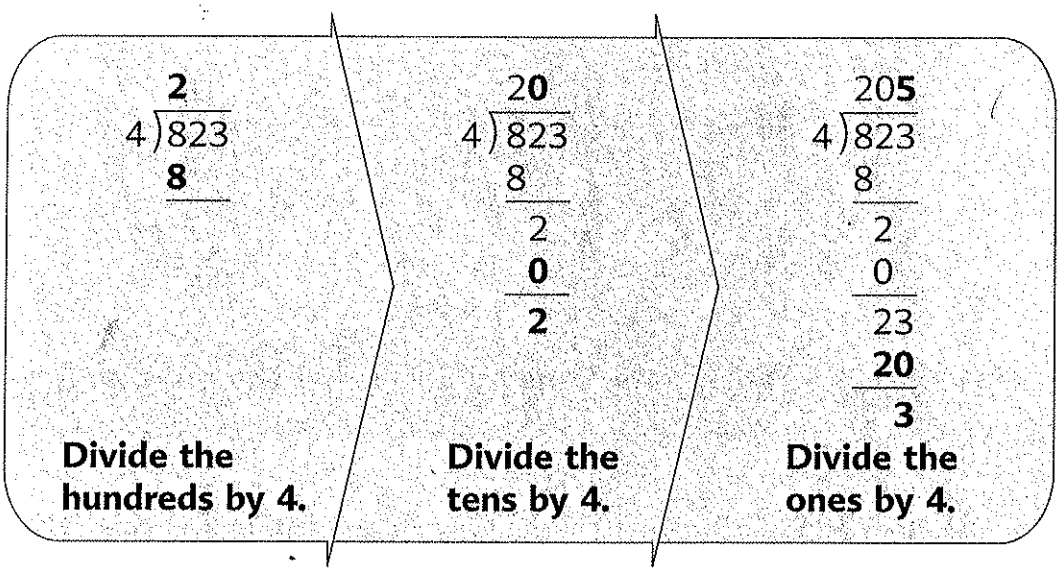
(d) $51 \div 4$ (e) $75 \div 5$ (f) $67 \div 5$

Workbook Exercise 26

4. $426 \div 3 =$ ▪



5. $823 \div 4 =$ ▪



6. Find the quotient and remainder for each of the following:

(a) $352 \div 4$	(b) $640 \div 2$	(c) $433 \div 5$
(d) $700 \div 3$	(e) $290 \div 4$	(f) $105 \div 3$
(g) $249 \div 4$	(h) $374 \div 2$	(i) $511 \div 5$

Workbook Exercise 27

PRAC

Find th

1. 8
2. 9
3. 19
4. 60
5. 74

6. As
Sh
Hc
Hc

7. 5 p
Hc

8. A
He
Hc
Hc

9. Da
If I
mc
Ho

10. Jus
He
Ea
Ho

PRACTICE 3G

Find the value of each of the following:

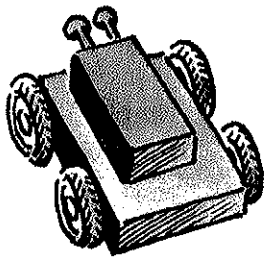
	(a)	(b)	(c)	(d)
1.	82 ÷ 2	58 ÷ 3	76 ÷ 1	80 ÷ 5
2.	91 ÷ 4	60 ÷ 4	37 ÷ 3	47 ÷ 3
3.	192 ÷ 2	702 ÷ 4	299 ÷ 5	429 ÷ 5
4.	600 ÷ 3	853 ÷ 2	330 ÷ 4	501 ÷ 3
5.	745 ÷ 5	900 ÷ 4	413 ÷ 3	123 ÷ 4

6. Ashley made 205 muffins.
She put them into boxes of 4 each.
How many boxes of muffins were there?
How many muffins were left over?

7. 5 packets of ground coffee weigh 750 g.
How much does each packet weigh?

8. A man has 316 oranges.
He puts 3 oranges in a bag.
How many bags of oranges can he make?
How many oranges will be left over?

9. David has 74 wheels.
If he uses 4 wheels to make a toy car, how many toy cars can he make?
How many wheels will be left over?



10. Justin has 429 yd of wire.
He cuts it into pieces.
Each piece is 3 yd long.
How many pieces can he get?

PRACTICE 3H

Find the value of each of the following:

	(a)	(b)	(c)	(d)
1.	20×5	$42 \div 2$	4×51	$75 \div 3$
2.	37×3	$50 \div 5$	2×78	$60 \div 5$
3.	312×4	$123 \div 3$	5×500	$408 \div 4$
4.	691×5	$270 \div 4$	3×607	$500 \div 3$
5.	768×3	$679 \div 5$	5×705	$328 \div 5$

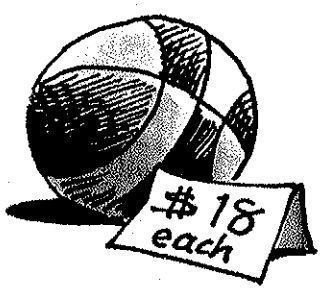
6. A farmer keeps 64 goats.
He keeps 5 times as many cows as goats.
How many cows does he keep?

7. Mary babysits for 4 hours a day.
   (a) How many hours does she work in 26 days?
   (b) If she is paid \$3 an hour, how much money does she earn in 26 days?

8. 5 boys share 150 Malaysian stamps and 200 Indonesian stamps equally.
How many stamps of each country does each boy get?

9. Steve packed 215 oranges into bags of 5 each.
He sold all the oranges at \$2 a bag.
How much money did he receive?

10. David wants to buy 4 basketballs.
He has only \$55.
How much more money does he need?



REVIEW A

2/4

Find the value of each of the following:

	(a)	(b)	(c)
1.	1672 + 298	3984 + 1479	804 + 9196
2.	3941 − 296	4732 − 2415	5000 − 4999
3.	47 × 3	207 × 5	789 × 4
4.	78 ÷ 3	700 ÷ 4	451 ÷ 5

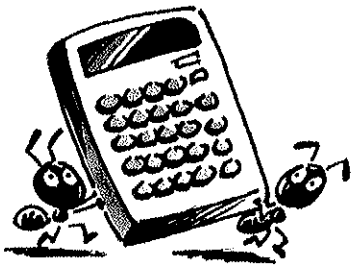
5. 1628 boys and 1092 girls took part in an art competition.
How many children took part altogether?

6. There were 4525 concert tickets for sale in the morning.
1909 tickets were sold at the end of the day.
How many tickets were left?

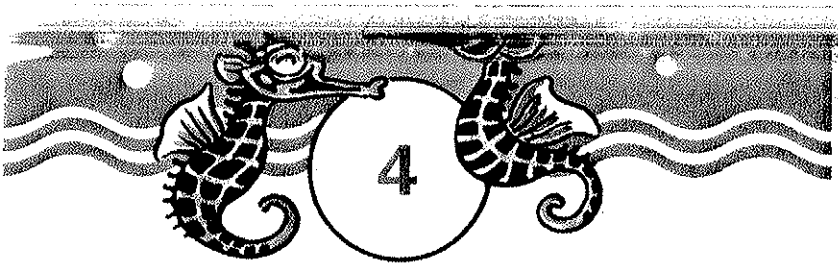
7. There were 485 gal of gas in 1 drum.
How many gallons of gas were there in 4 drums?

8. (a) A tailor bought 563 yd of cloth to make dresses.
He used 3 yd to make each dress.
How many dresses did he make?
How many yards of cloth were left?
(b) If he sold all the dresses at $5 each, how much money did he receive?

9. There were 1052 books in a children's library.
650 of them were checked out.
226 of the books left were picture books.
How many chapter books were left?



10. Sulin has $240.
Meifen has 3 times as much money as Sulin.
How much money do they have altogether?



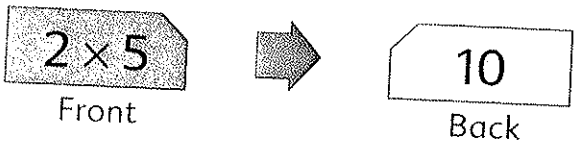
Multiplication Tables of 6, 7, 8 and 9

1 Looking Back

1×1	1×2	1×3	1×4	1×5
2×1	2×2	2×3	2×4	2×5
3×1	3×2	3×3	3×4	3×5
4×1	4×2	4×3	4×4	4×5
5×1	5×2	5×3	5×4	5×5
6×1	6×2	6×3	6×4	6×5
7×1	7×2	7×3	7×4	7×5
8×1	8×2	8×3	8×4	8×5
9×1	9×2	9×3	9×4	9×5
10×1	10×2	10×3	10×4	10×5

Pick a card and give the answer.

Make the cards. Each of them has the answer at the back.

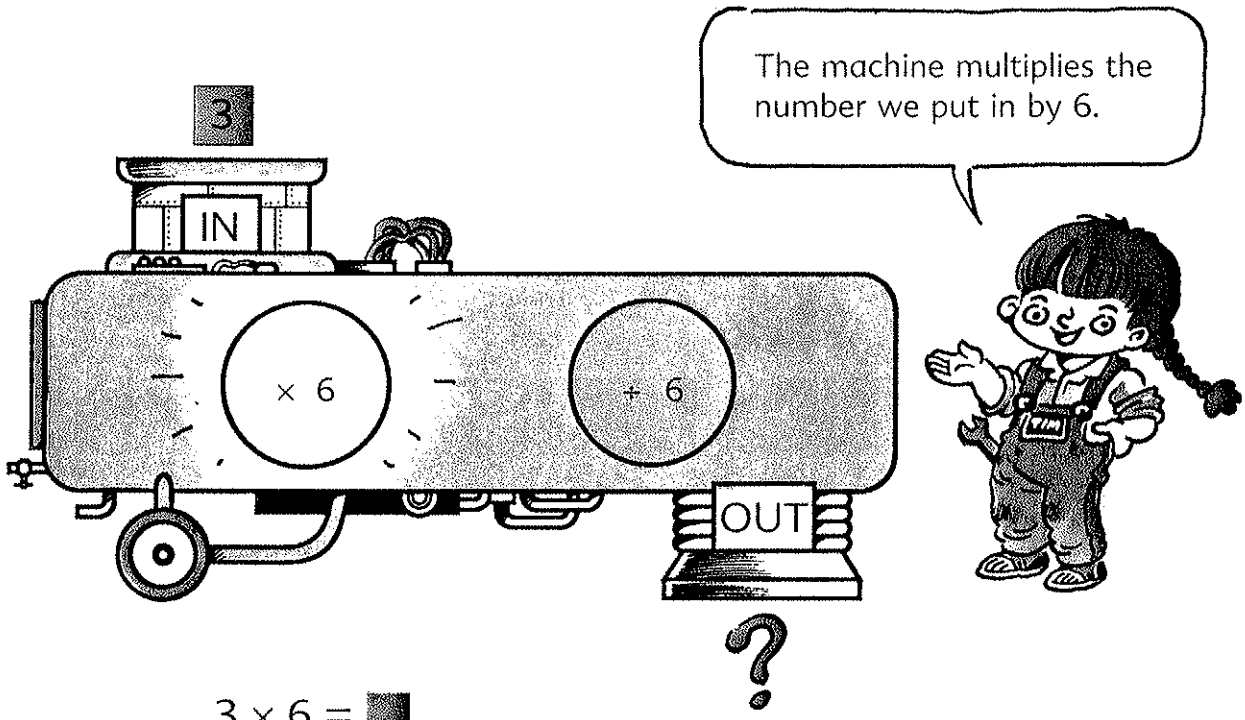


1×6	1×7	1×8	1×9	1×10
2×6	2×7	2×8	2×9	2×10
3×6	3×7	3×8	3×9	3×10
4×6	4×7	4×8	4×9	4×10
5×6	5×7	5×8	5×9	5×10
6×6	6×7	6×8	6×9	6×10
7×6	7×7	7×8	7×9	7×10
8×6	8×7	8×8	8×9	8×10
9×6	9×7	9×8	9×9	9×10
10×6	10×7	10×8	10×9	10×10

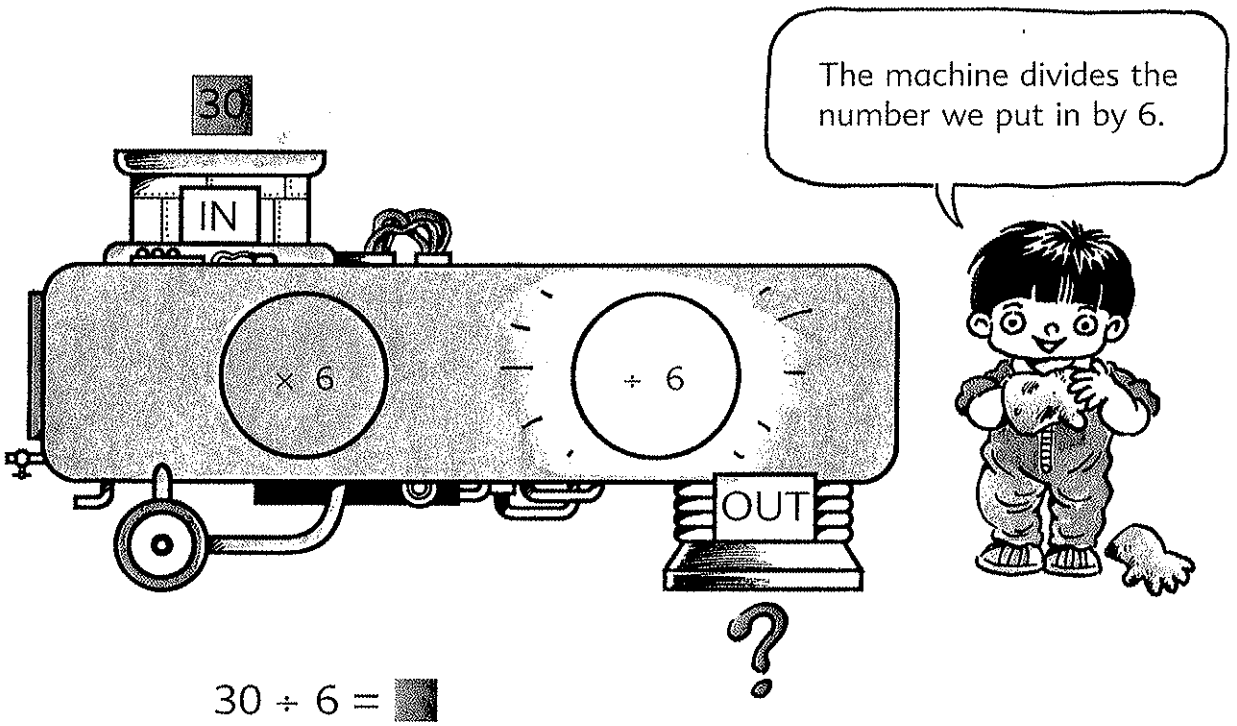
Do you know the answers of all the cards?

Workbook Exercise 28

2 Multiplying and Dividing by 6

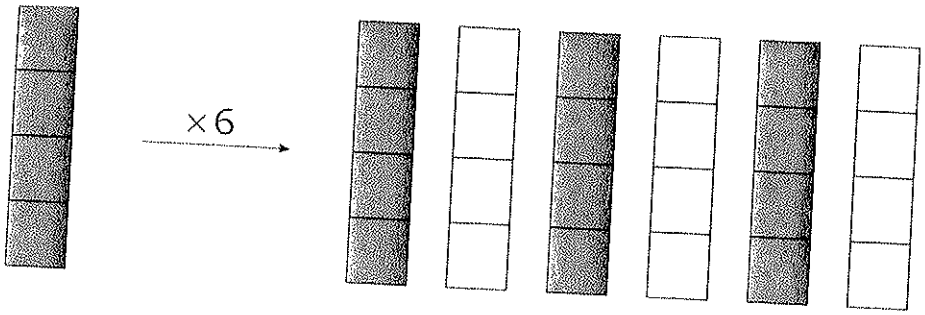


$3 \times 6 =$ ■



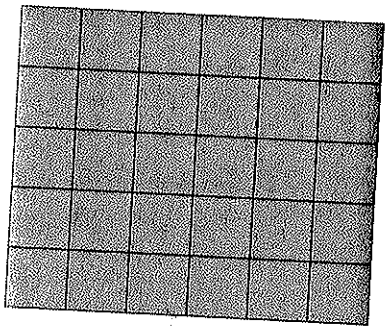
$30 \div 6 =$ ■

1. (a)



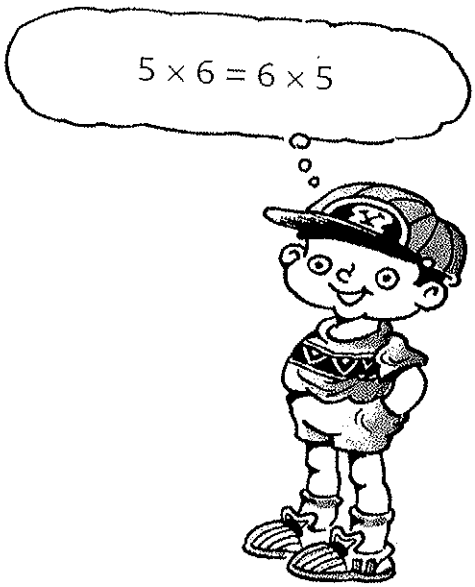
$4 \times 6 =$ ▪

(b)

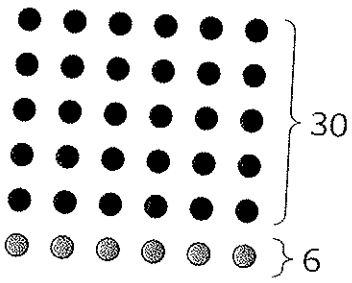


$5 \times 6 =$ ▪

$6 \times 5 =$ ▪

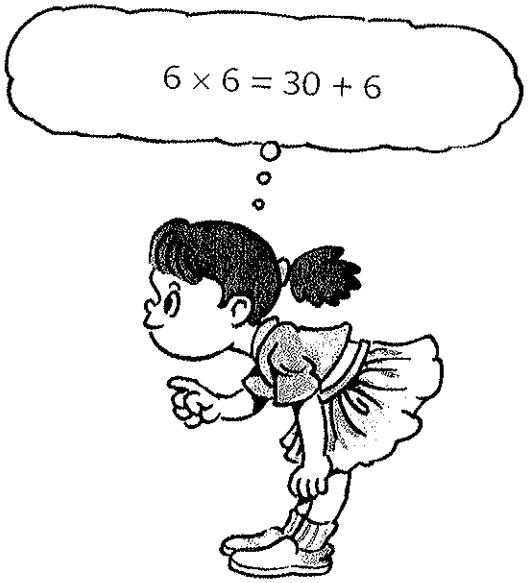


2. (a)

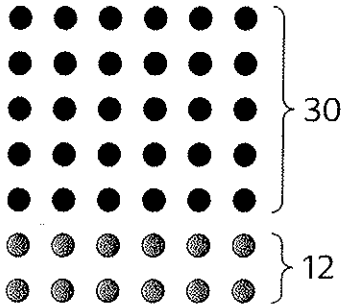


$6 \times 5 = 30$

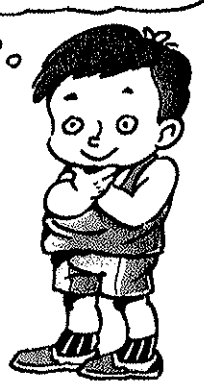
$6 \times 6 =$ ▪



(b)



$6 \times 7 = 30 + 12$

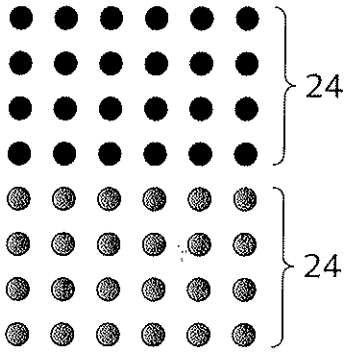


$6 \times 5 = 30$

$6 \times 2 = 12$

$6 \times 7 =$ ■

(c)

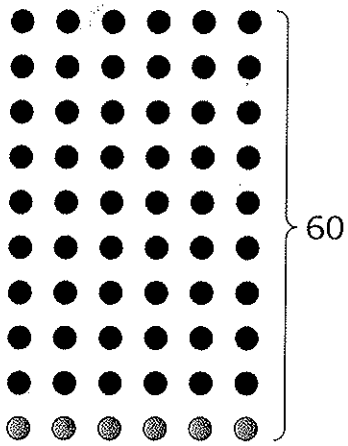


$6 \times 8 = 24 \times 2$

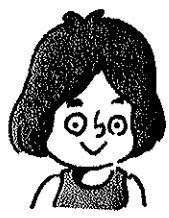
$6 \times 4 = 24$

$6 \times 8 =$ ■

(d)



$6 \times 9 = 60 - 6$



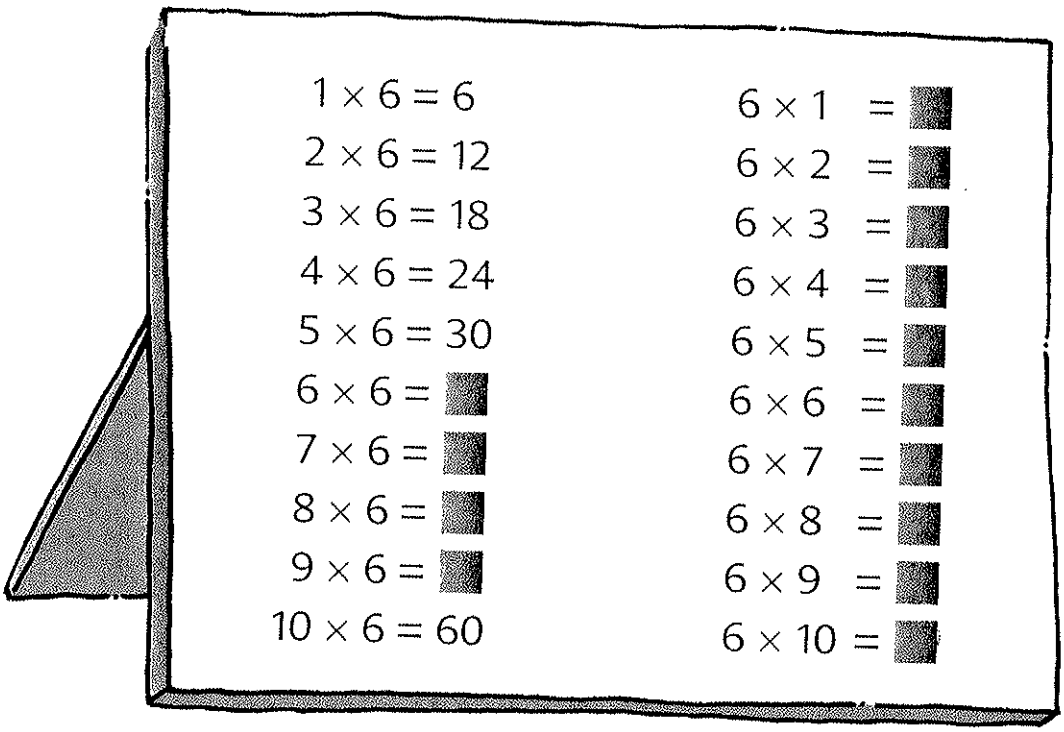
$6 \times 10 = 60$

$6 \times 9 =$ ■

3. C

4.

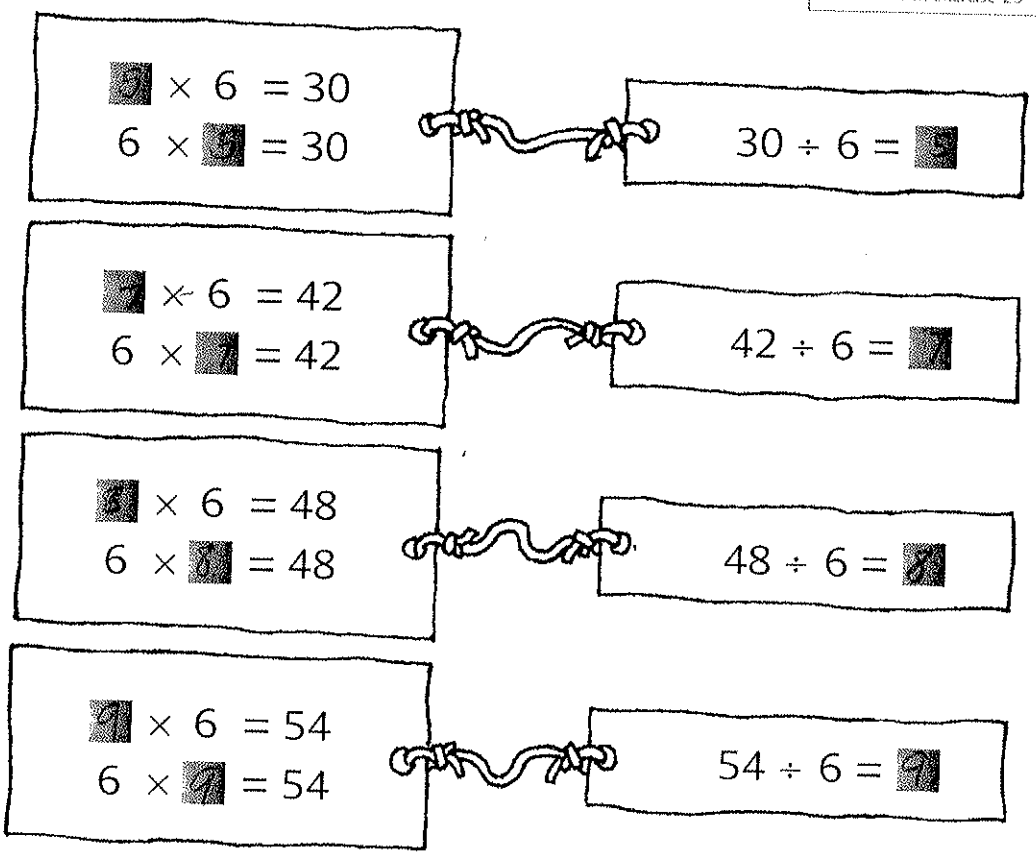
3. Complete the number sentences.



$1 \times 6 = 6$	$6 \times 1 = \square$
$2 \times 6 = 12$	$6 \times 2 = \square$
$3 \times 6 = 18$	$6 \times 3 = \square$
$4 \times 6 = 24$	$6 \times 4 = \square$
$5 \times 6 = 30$	$6 \times 5 = \square$
$6 \times 6 = \square$	$6 \times 6 = \square$
$7 \times 6 = \square$	$6 \times 7 = \square$
$8 \times 6 = \square$	$6 \times 8 = \square$
$9 \times 6 = \square$	$6 \times 9 = \square$
$10 \times 6 = 60$	$6 \times 10 = \square$

Workbook Exercise 29

4.



Workbook Exercise 30

5. Multiply 285 by 6.

$$\begin{array}{r} 285 \\ \times\ \ 6 \\ \hline \blacksquare \end{array}$$

$$\begin{array}{r} {\scriptstyle 3} \\ 285 \\ \times\ \ 6 \\ \hline \mathbf{0} \end{array} \Rightarrow \begin{array}{r} {\scriptstyle 5\ 3} \\ 285 \\ \times\ \ 6 \\ \hline \mathbf{10} \end{array} \Rightarrow \begin{array}{r} {\scriptstyle 5\ 3} \\ 285 \\ \times\ \ 6 \\ \hline \mathbf{1710} \end{array}$$

When 285 is multiplied by 6, the product is ■.

6. Find the product of

(a) 34 and 6 (b) 57 and 6 (c) 6 and 69
(d) 108 and 6 (e) 472 and 6 (f) 6 and 910

Workbook Exercise 31

7. Divide 325 by 6.

$$6\overline{)325} \quad \blacksquare$$

$$\begin{array}{r} \mathbf{5} \\ 6\overline{)325} \\ \mathbf{30} \\ \hline \mathbf{2} \end{array} \Rightarrow \begin{array}{r} \mathbf{54} \\ 6\overline{)325} \\ 30 \\ \hline 25 \\ \mathbf{24} \\ \hline \mathbf{1} \end{array}$$

When 325 is divided by 6, the quotient is ■ and the remainder is ■.

8. Find the quotient and remainder for each of the following:

(a) $96 \div 6$ (b) $89 \div 6$ (c) $75 \div 6$
(d) $342 \div 6$ (e) $708 \div 6$ (f) $615 \div 6$

Workbook Exercises 32 & 33

PRACTICE 4A

Find the value of each of the following:

	(a)	(b)	(c)
1.	6×3	6×4	7×6
2.	$18 \div 6$	$24 \div 6$	$42 \div 6$
3.	43×6	94×6	6×57
4.	$80 \div 6$	$405 \div 6$	$562 \div 6$

5. Find the missing numbers.

(a) $6 \times \blacksquare = 36$ (b) $\blacksquare \times 4 = 24$

(c) $7 \times \blacksquare = 42$ (d) $\blacksquare \times 6 = 60$

6. There are 6 players in one team.
How many players are there in 14 teams?

7. 6 children share 84 balloons equally.
How many balloons does each child get?

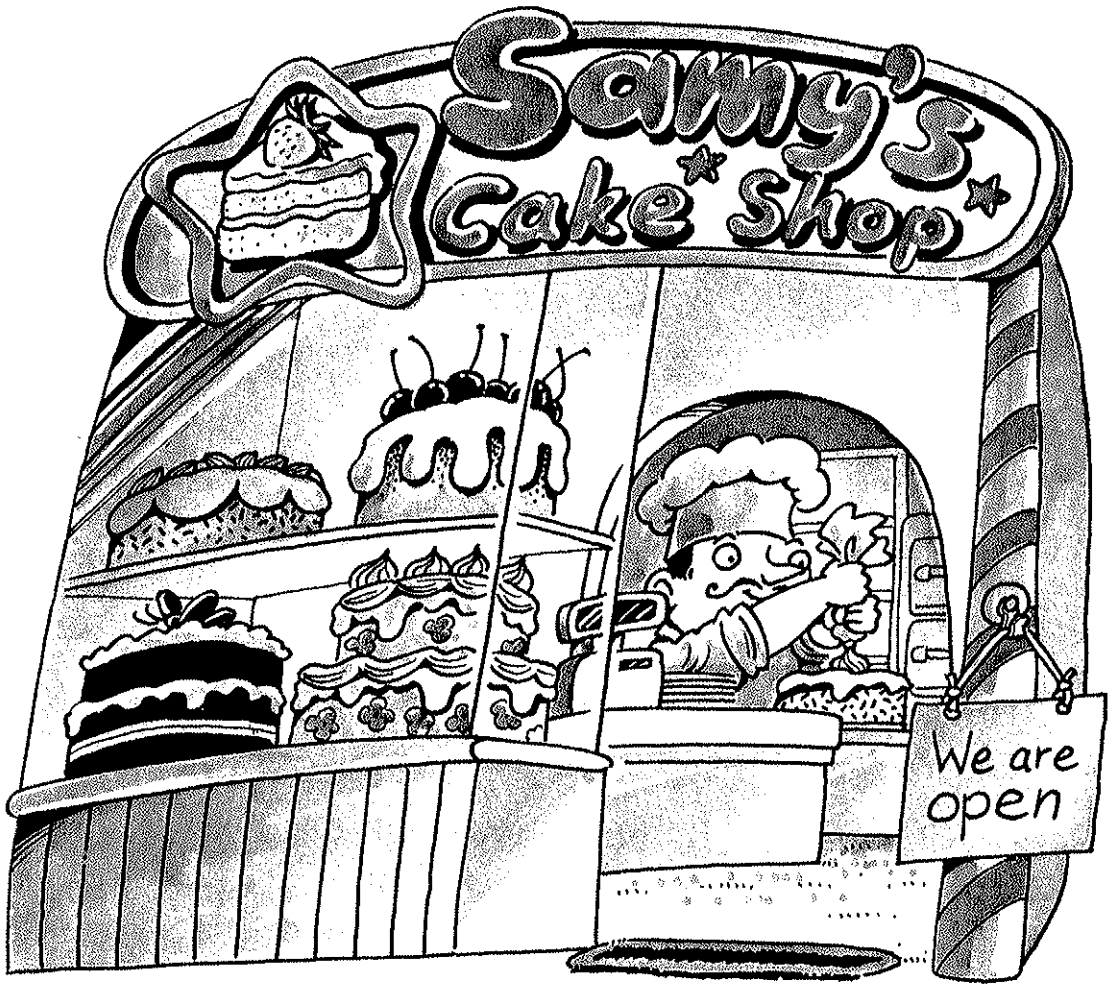
8. John earns $85 a week.
How much money can he earn in 6 weeks?

9. Mr. Kim tied 192 books into bundles of 6 each.
How many bundles were there?

10. Mrs. Larson bought 6 m of cloth for $84.
Find the cost of 5 m of cloth.

11. Mr. Lewis bought 6 lb of halibut.
1 lb of halibut cost $6.
How much did he pay?

3 Multiplying and Dividing by 7



Samy made this table to help him collect money.

Number of cakes	1	2	3	4	5
Cost	$7	$14	$21	$28	$35

(a) Amy bought 2 cakes.
How much did she pay?

(b) Mrs. Lee ordered 4 cakes for a party.
How much did she pay?

(c) Sara paid Samy $35.
How many cakes did Samy give her?

(d) How many cakes could Ryan buy with $42?

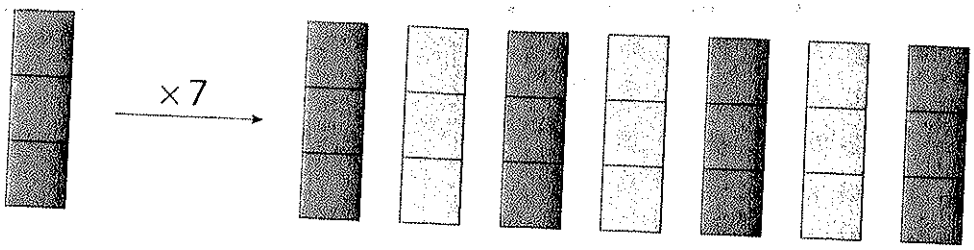
1. (a

(b

2. (a

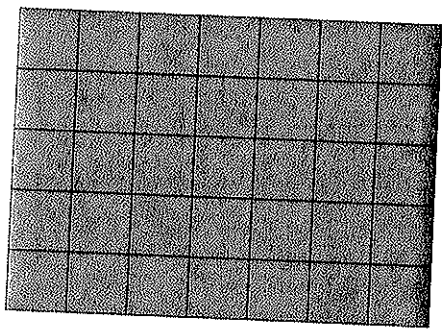
(b

1. (a)



$3 \times 7 =$ ■

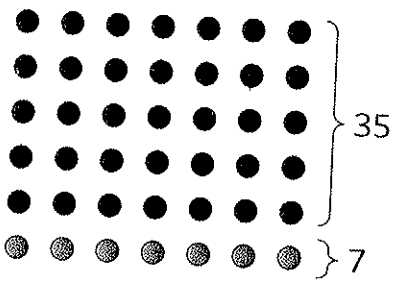
(b)

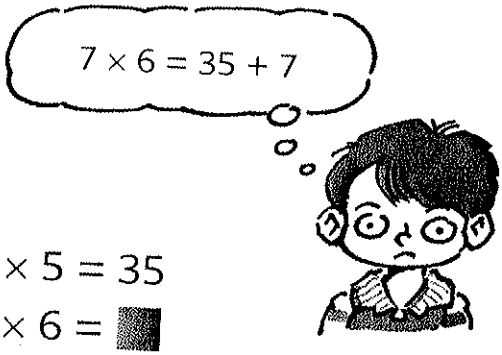


$5 \times 7 =$ ■

$7 \times 5 =$ ■

2. (a)

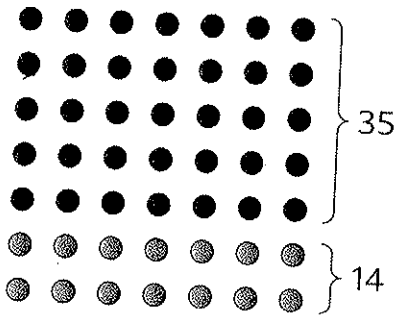


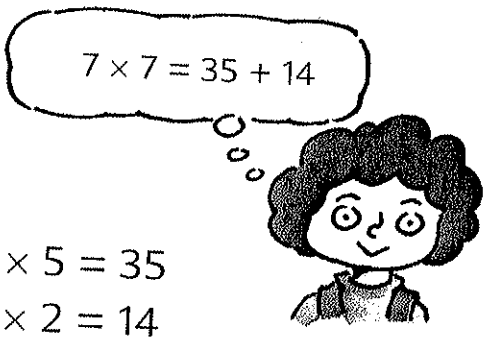


$7 \times 5 = 35$

$7 \times 6 =$ ■

(b)



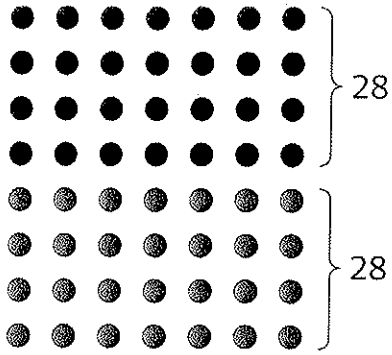


$7 \times 5 = 35$

$7 \times 2 = 14$

$7 \times 7 =$ ■

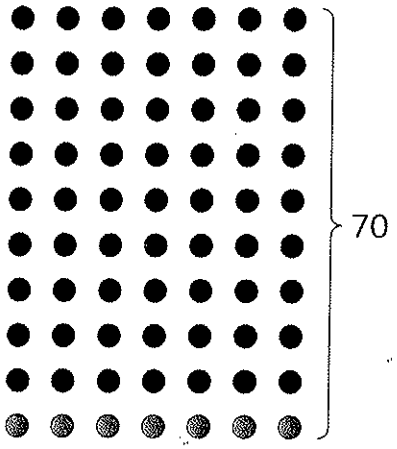
(c)

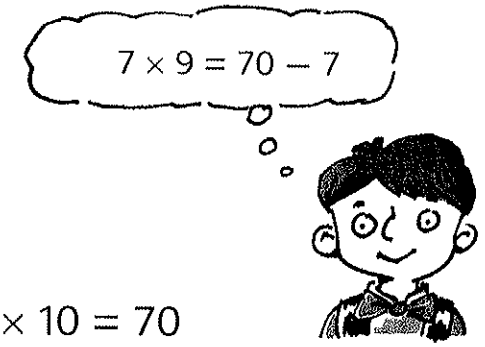


$7 \times 4 = 28$

$7 \times 8 =$ ▪

(d)





$7 \times 10 = 70$

$7 \times 9 =$ ▪

3.

August 1999						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

There are ▪ days in 2 weeks.

There are ▪ days in 4 weeks.

There are ▪ days in 10 weeks.

4. C

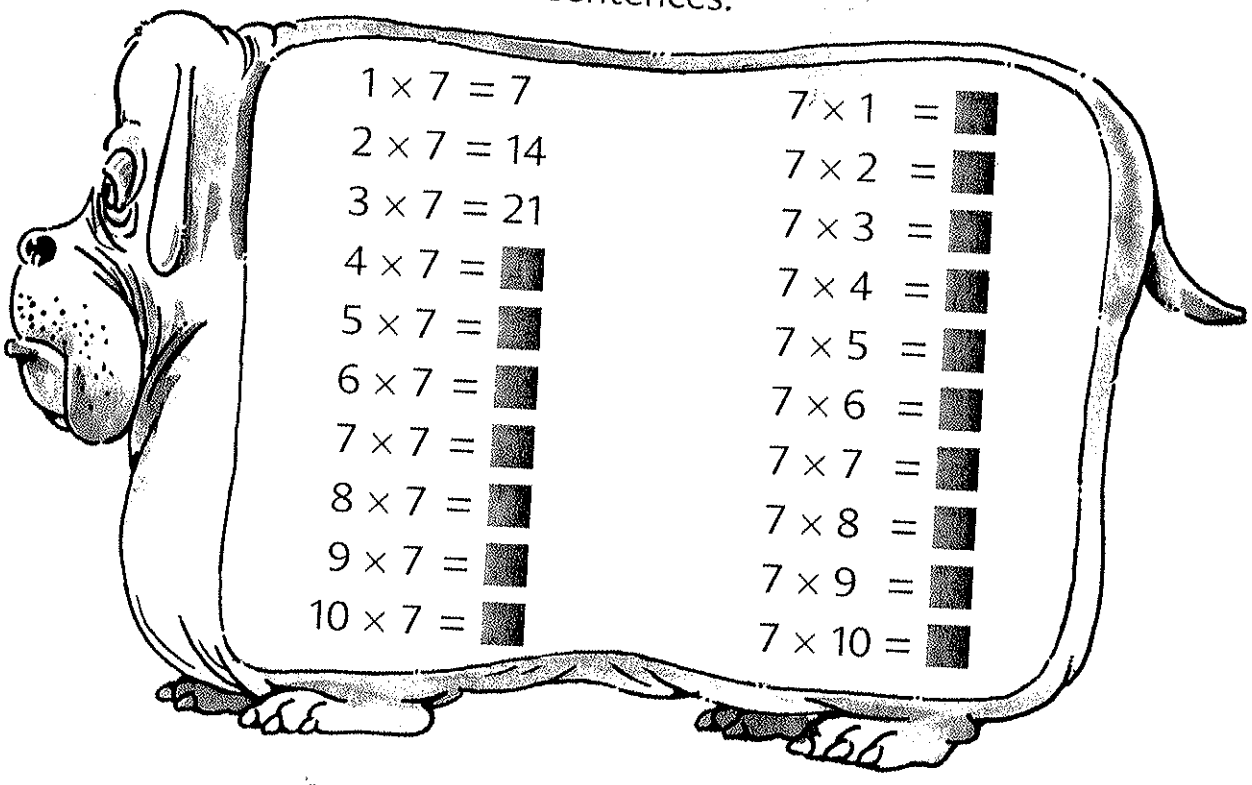
5. Fi
(c
(c

6. M
(c
(c

7. D
(c
(c

8. D
(c
(c

4. Complete the number sentences.



$1 \times 7 = 7$	$7 \times 1 =$ ■
$2 \times 7 = 14$	$7 \times 2 =$ ■
$3 \times 7 = 21$	$7 \times 3 =$ ■
$4 \times 7 =$ ■	$7 \times 4 =$ ■
$5 \times 7 =$ ■	$7 \times 5 =$ ■
$6 \times 7 =$ ■	$7 \times 6 =$ ■
$7 \times 7 =$ ■	$7 \times 7 =$ ■
$8 \times 7 =$ ■	$7 \times 8 =$ ■
$9 \times 7 =$ ■	$7 \times 9 =$ ■
$10 \times 7 =$ ■	$7 \times 10 =$ ■

5. Find the value of

(a) 6×7 (b) 7×7 (c) 7×9

(d) $56 \div 7$ (e) $70 \div 7$ (f) $21 \div 7$

Workbook Exercise 34

6. Multiply.

(a) 56×7 (b) 63×7 (c) 7×71

(d) 920×7 (e) 804×7 (f) 7×218

Workbook Exercise 35

7. Divide.

(a) $75 \div 7$ (b) $84 \div 7$ (c) $64 \div 7$

(d) $91 \div 7$ (e) $98 \div 7$ (f) $80 \div 7$

8. Divide.

(a) $108 \div 7$ (b) $231 \div 7$ (c) $682 \div 7$

(d) $730 \div 7$ (e) $954 \div 7$ (f) $705 \div 7$

Workbook Exercises 36 & 37

PRACTICE 4B

Find the value of each of the following:

	(a)	(b)	(c)	(d)
1.	4×7	7×6	7×3	9×7
2.	$28 \div 7$	$42 \div 7$	$21 \div 7$	$63 \div 7$
3.	7×40	608×7	7×800	930×7
4.	$95 \div 7$	$540 \div 7$	$714 \div 7$	$805 \div 7$

5. A baker needs 7 eggs to bake a cake.
He has 150 eggs.
How many cakes can he bake?
How many eggs will be left over?

6. There are 7 days in a week.
How many days are there in 52 weeks?

7. Mr. Wong is 7 times as old as his grandson.
He is 63 years old.
How old is his grandson?

8. 1 kg of prawns cost $26.
Chelsea bought 7 kg of prawns.
How much did he pay?

9. Lindsey spent $84 on 7 towels.
What was the cost of 1 towel?

10. Taylor packed 112 lemons into bags of 7 each.
She sold all the lemons at $3 a bag.
How much money did she receive?

11. A jacket cost 7 times as much as a T-shirt.
If the T-shirt cost $26, what was the total cost of the T-shirt and the jacket?

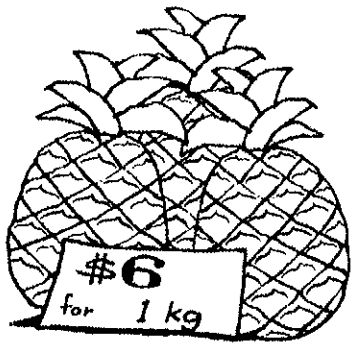
PRACTICE 4C

/ 10

Find the value of each of the following:

	(a)	(b)	(c)	(d)
1.	6×6	7×8	6×10	7×7
2.	$36 \div 6$	$42 \div 6$	$60 \div 6$	$49 \div 7$
3.	67×7	0×7	10×1	513×7
4.	$304 \div 6$	$0 \div 7$	$10 \div 10$	$847 \div 7$

5. Emily has a piece of rope 161 in. long.
She cuts it into 7 equal pieces.
What is the length of each piece?



6. Mr. Wang bought 28 kg of pineapples.
How much did he spend?

7. A baker bought 84 eggs to bake cakes.
He used 6 eggs to bake each cake.
How many cakes did he bake?

8. 6 children shared 3 boxes of cookies equally.
Each box contained 48 cookies.
How many cookies did each child get?

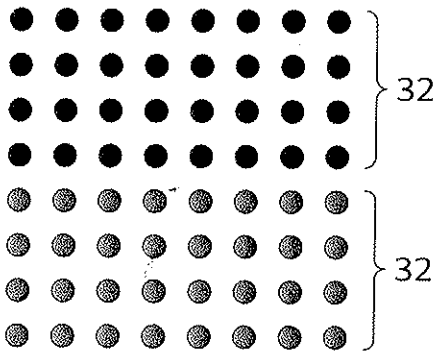
9. There were 7 boxes of blue pens and red pens.
There were 12 pens in each box.
If there were 36 red pens, how many blue pens were there?

10. Wendy bought 35 m of cloth at \$6 for 1 m.
She still had \$25 left after paying for the cloth.
How much did she have at first?

4 Multiplying and Dividing by 8

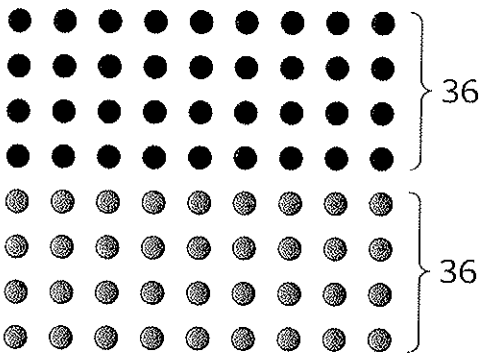
× 2 × 2

1 × 2 = 2	1 × 4 = 4	1 × 8 = 8
2 × 2 = 4	2 × 4 = 8	2 × 8 = 16
3 × 2 = 6	3 × 4 = 12	3 × 8 = 24
4 × 2 = 8	4 × 4 = 16	4 × 8 = 32
5 × 2 = 10	5 × 4 = 20	5 × 8 = 40
6 × 2 = 12	6 × 4 = 24	6 × 8 = 48
7 × 2 = 14	7 × 4 = 28	7 × 8 = 56
8 × 2 = 16	8 × 4 = 32	8 × 8 = ■
9 × 2 = 18	9 × 4 = 36	9 × 8 = ■
10 × 2 = 20	10 × 4 = 40	10 × 8 = 80



8 × 4 = 32

8 × 8 = ■



9 × 4 = 36

9 × 8 = ■

1. A

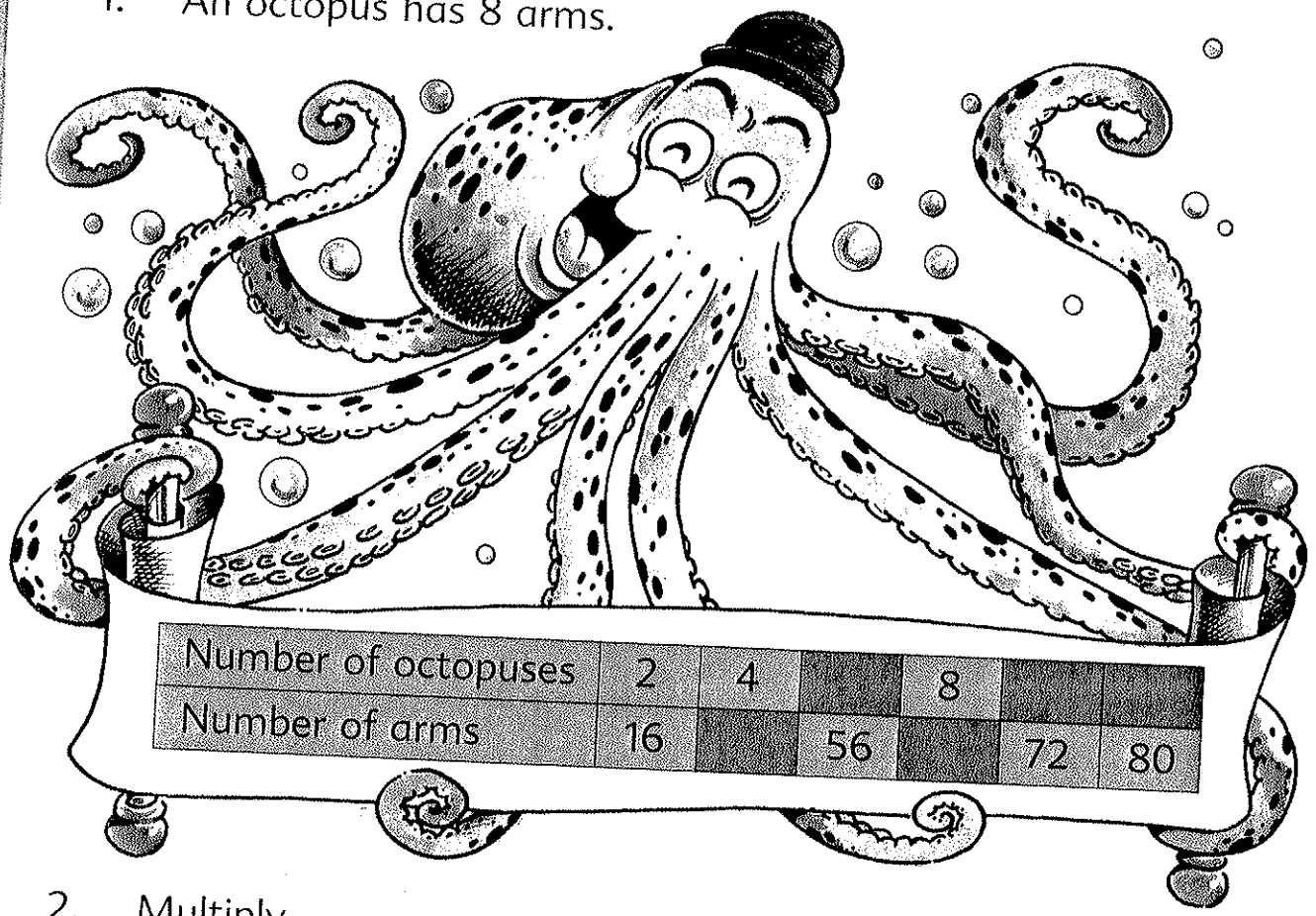
2. M
(
(

3. D
(
(

4. M
(
(

5. D
(
(

1. An octopus has 8 arms.



Number of octopuses	2	4		8		
Number of arms	16		56		72	80

2. Multiply.

(a) 3×8 (b) 5×8 (c) 8×8

(d) 8×4 (e) 8×7 (f) 8×9

3. Divide.

(a) $80 \div 8$ (b) $48 \div 8$ (c) $24 \div 8$

(d) $72 \div 8$ (e) $56 \div 8$ (f) $40 \div 8$

Workbook Exercise 38

4. Multiply.

(a) 56×8 (b) 79×8 (c) 8×68

(d) 418×8 (e) 305×8 (f) 8×620

Workbook Exercise 39

5. Divide.

(a) $98 \div 8$ (b) $112 \div 8$ (c) $807 \div 8$

(d) $305 \div 8$ (e) $664 \div 8$ (f) $960 \div 8$

Workbook Exercises 40 & 41

PRACTICE 4D

Find the value of each of the following:

	(a)	(b)	(c)	(d)
1.	8×3	6×8	10×8	8×8
2.	$24 \div 8$	$56 \div 8$	$80 \div 8$	$64 \div 8$
3.	43×8	97×8	8×262	874×8
4.	$120 \div 8$	$579 \div 8$	$745 \div 8$	$832 \div 8$

5. Find the missing numbers.

   (a) $8 \times \blacksquare = 32$ (b) $\blacksquare \times 8 = 48$

   (c) $8 \times \blacksquare = 64$ (d) $\blacksquare \times 8 = 72$

6. There were 36 tables at a dinner party.
   8 people were at each table.
   How many people were at the party?

7. A bucket holds 18 liters.
   8 buckets of water can fill a tank.
   How many liters of water does the tank hold?

8. Kathy baked 390 tarts.
   She put them into packets of 8 each.
   How many packets did she have?
   How many tarts were left over?

9. A gardener bought 12 watering cans.
   Each can cost $8.
   If he gave the cashier $100, how much change did he receive?

10. Dorothy bought a refrigerator.
    She paid $245 in the first month and $103 each month for another 8 months.
    What was the cost of the refrigerator?

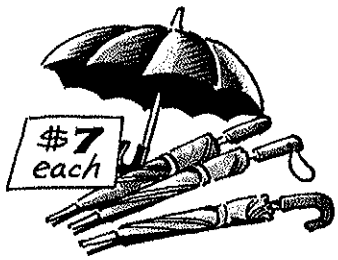
PRACTICE 4E

Find the value of each of the following:

	(a)	(b)	(c)	(d)
1.	6×7	7×8	8×10	8×9
2.	$42 \div 6$	$56 \div 7$	$48 \div 8$	$72 \div 8$
3.	$73 \div 7$	1×8	0×8	$150 \div 8$
4.	$943 \div 8$	$8 \div 1$	$0 \div 8$	$872 \div 6$

5. A grocer had 145 kg of sugar.
He packed the sugar into packets of 6 kg each.
How many packets were there?
How many kilograms of sugar were left over?

6. Mr. Chen wants to buy umbrellas.
Each umbrella costs $7.
How many umbrellas can he buy with $168?



7. There are 120 pages in an exercise book.
How many pages are there in 8 exercise books?

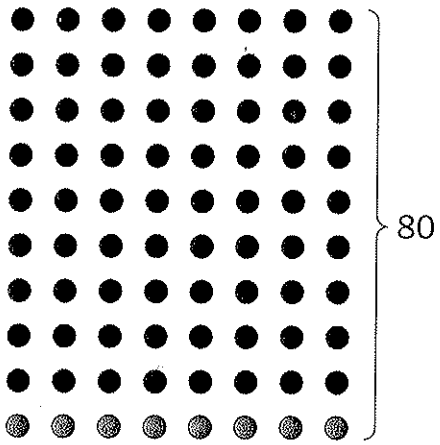
8. Tony wants to buy 6 chairs which cost $28 each.
He has only $100.
How much more money does he need?

9. 8 people went to the seaside.
They rented a boat for 6 hours.
If they shared the cost equally, how much did each person spend?

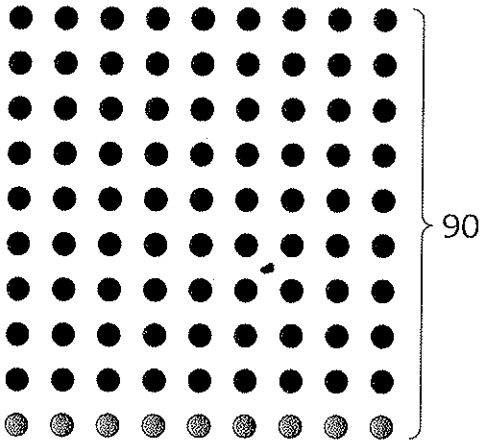
5 Multiplying and Dividing by 9

$1 \times 10 = 10$	$1 \times 9 = 9$
$2 \times 10 = 20$	$2 \times 9 = 18$
$3 \times 10 = 30$	$3 \times 9 = 27$
$4 \times 10 = 40$	$4 \times 9 = 36$
$5 \times 10 = 50$	$5 \times 9 = 45$
$6 \times 10 = 60$	$6 \times 9 = 54$
$7 \times 10 = 70$	$7 \times 9 = 63$
$8 \times 10 = 80$	$8 \times 9 =$ ■
$9 \times 10 = 90$	$9 \times 9 =$ ■
$10 \times 10 = 100$	$10 \times 9 = 90$

10 – 1
20 – 2
30 – 3
40 – 4
50 – 5
60 – 6
70 – 7
80 – 8
90 – 9
100 – 10



$8 \times 10 = 80$
$8 \times 9 =$ ■

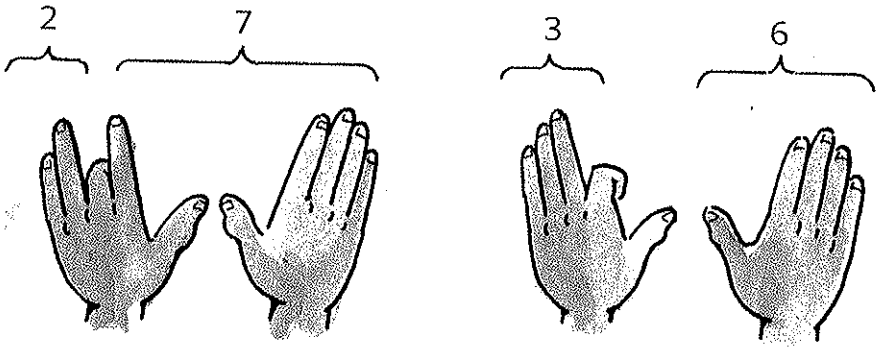


$9 \times 10 = 90$
$9 \times 9 =$ ■

1. Add the tens digit and ones digit of each product.
The answer is ■.

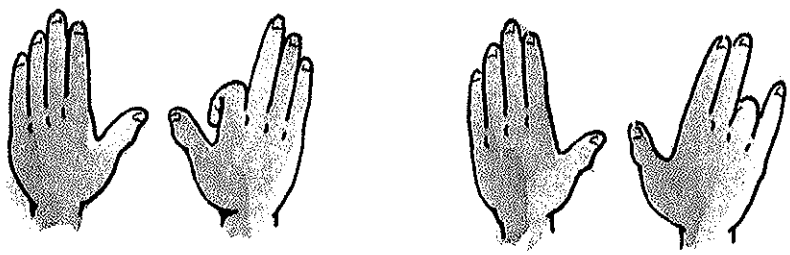
$1 \times 9 = 9$	$9 \times 1 = 9$
$2 \times 9 = 18$	$9 \times 2 = 18$
$3 \times 9 = 27$	$9 \times 3 = 27$
$4 \times 9 = 36$	$9 \times 4 = 36$
$5 \times 9 = 45$	$9 \times 5 = 45$
$6 \times 9 = 54$	$9 \times 6 = 54$
$7 \times 9 = 63$	$9 \times 7 = 63$
$8 \times 9 = 72$	$9 \times 8 = 72$
$9 \times 9 = 81$	$9 \times 9 = 81$
$10 \times 9 = 90$	$9 \times 10 = 90$

2. Here is an interesting way to multiply by 9.



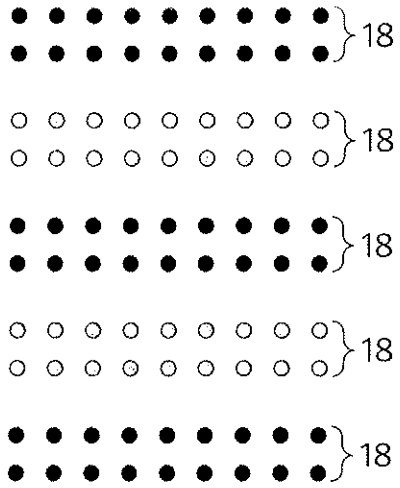
$3 \times 9 = 27$

$4 \times 9 = 36$



$7 \times 9 =$ ■

$9 \times 9 =$ ■

3. (a) 

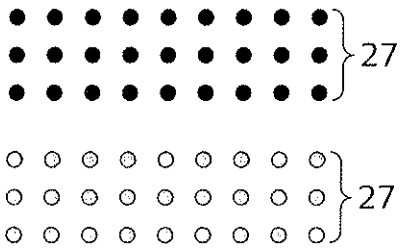
$9 \times 2 = 18$

$9 \times 4 = 18 \times$ ■

$9 \times 6 = 18 \times$ ■

$9 \times 8 = 18 \times$ ■

$9 \times 10 = 18 \times$ ■

(b) 

$9 \times 3 = 27$

$9 \times 6 = 27 \times$ ■

4. Multiply.

(a) 2×9 (b) 4×9 (c) 9×3
(d) 8×9 (e) 9×9 (f) 9×7

5. Divide.

(a) $90 \div 9$ (b) $63 \div 9$ (c) $45 \div 9$
(d) $54 \div 9$ (e) $72 \div 9$ (f) $81 \div 9$

Workbook Exercise 42

6. Multiply.

(a) 54×9 (b) 73×9 (c) 9×80
(d) 201×9 (e) 678×9 (f) 9×609

Workbook Exercise 43

7. Divide.

(a) $97 \div 9$ (b) $108 \div 9$ (c) $89 \div 9$
(d) $620 \div 9$ (e) $903 \div 9$ (f) $145 \div 9$

Workbook Exercises 44 & 45

PRA

Find t

1.
2.
3.
4. 9

5. M
H

6. 2
E
H

7. T
H

8. D
E
H

9. C
H

10. A
T
H
H

11. M
H

PRACTICE 4F

Find the value of each of the following:

	(a)	(b)	(c)	(d)
1.	3×9	9×4	9×5	9×9
2.	$27 \div 9$	$36 \div 9$	$45 \div 9$	$81 \div 9$
3.	36×9	9×400	657×9	198×9
4.	$954 \div 9$	$563 \div 9$	$790 \div 9$	$823 \div 9$

5. Mary bought 9 pieces of string each 18 m long.
How many meters of string did she buy?

6. 25 boys went camping.
Each boy brought 9 cans of food.
How many cans did they bring altogether?

7. Tyrone bought 9 T-shirts for $144.
How much did one T-shirt cost?

8. David cut a wire 918 m long into pieces.
Each piece was 9 m long.
How many pieces did he get?

9. Cameron uses 185 liters of gas a month.
How much gas does he use in 9 months?

10. A tailor bought 9 packets of buttons.
There were 120 buttons in each packet.
He used 8 buttons on a dress.
How many dresses did he make if he used all the buttons?

11. Melissa bought 27 apples at 3 for $2.
How much did she pay in all?

PRACTICE 4G

Find the value of each of the following:

	(a)	(b)	(c)	(d)
1.	9×6	7×10	8×8	6×6
2.	$54 \div 6$	$70 \div 7$	$64 \div 8$	$36 \div 6$
3.	69×8	1×9	0×9	901×6
4.	$581 \div 9$	$9 \div 1$	$0 \div 9$	$749 \div 7$

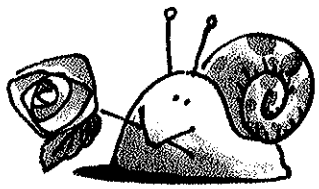
1

5. Mrs. Wang gives each of her children \$7.
If she gives a total of \$28 to her children, how many children does she have?

6. A tank holds 126 liters.
A bucket holds 9 liters.
How many buckets of water will fill up the tank?

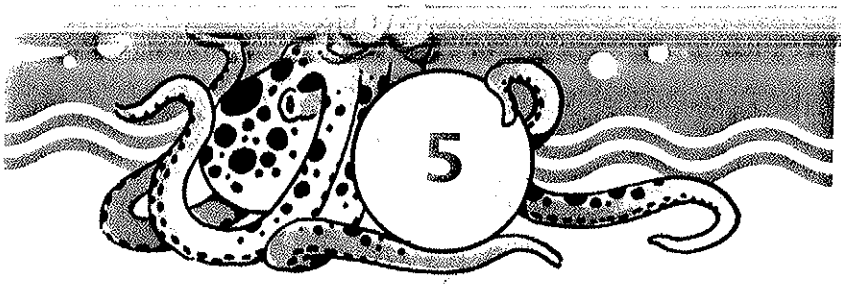
7. Matthew worked for 7 days.
He was paid \$36 each day.
How much money did he receive?

8. There are 136 roses.
There are 6 times as many sunflowers as roses.
How many sunflowers are there?



9. Eric had 112 tomatoes.
8 of them were rotten.
He packed the good tomatoes into packets of 8 each.
How many packets of tomatoes did he get?

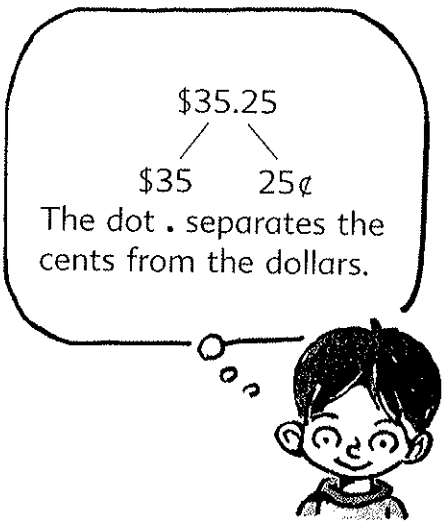
10. There were 8 stamps in a set.
Miguel bought 120 sets of stamps.
After selling some stamps, he had 680 stamps left.
How many stamps did he sell?

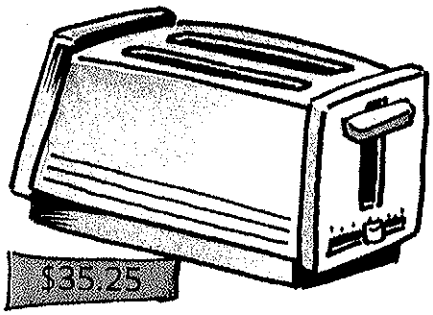


Money

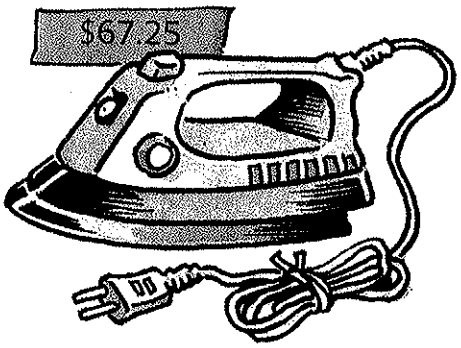
1 Dollars and Cents

Read the prices of these items.



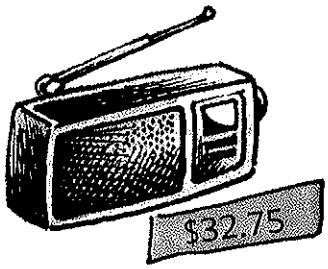


$35.25 = ▪ dollars ▪ cents



$67.25 = ▪ dollars ▪ cents

$75.40 = ▪ dollars ▪ cents

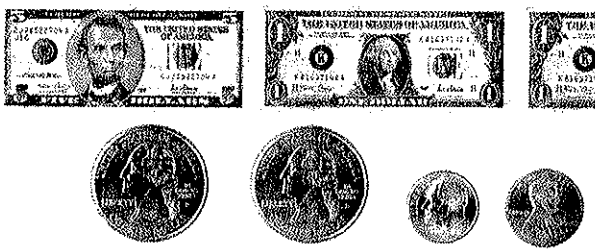


$32.75 = ▪ dollars ▪ cents

1. How much money is there in each set?

(a) 

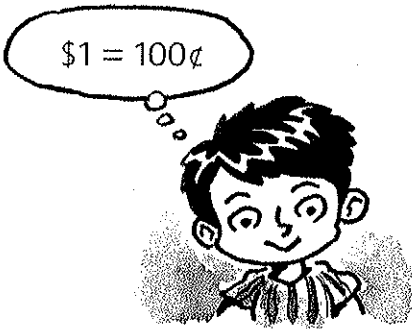
■ dollars ■ cents = $■

(b) 

■ dollars ■ cents = $■

2. (a) Write $1.25 in cents.

$1.25 = ■¢



(b) Write 170¢ in dollars and cents.

170¢ = $■

3. Write in cents.

(a) $0.30 (b) $1.95 (c) $4.05

4. Write in dollars and cents.

(a) 85¢ (b) 160¢ (c) 345¢

5. How much more money is needed to make $1?

(a) $0.70 + $■ = $1 (b) $0.55 + $■ = $1

Workbook Exercise 46

PRACTICE 5A

1. Write in cents.
   (a) \$0.20 (b) \$0.65 (c) \$7.00
   (d) \$2.05 (e) \$5.60 (f) \$3.95

2. Write in dollars and cents.
   (a) 5¢ (b) 60¢ (c) 400¢
   (d) 210¢ (e) 855¢ (f) 305¢

3. Find the missing amount of money in each of the following:
   (a) 30¢ + ■ = \$1 (b) ■ + 45¢ = \$1
   (c) \$0.40 + ■ = \$1 (d) ■ + \$0.65 = \$1

4. (a)

6 quarters = \$■

(b)

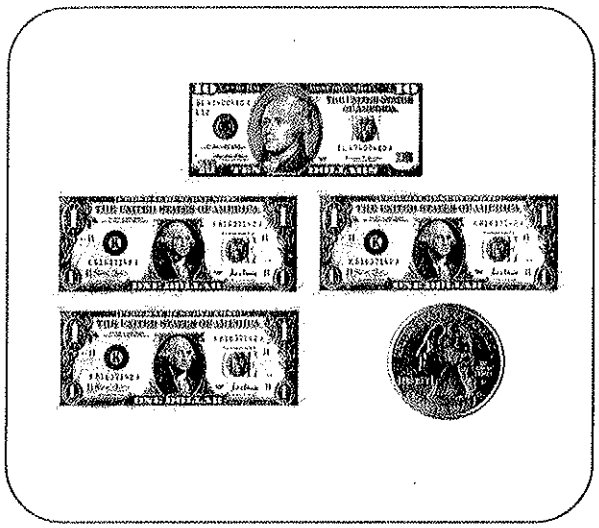
12 nickels = \$■

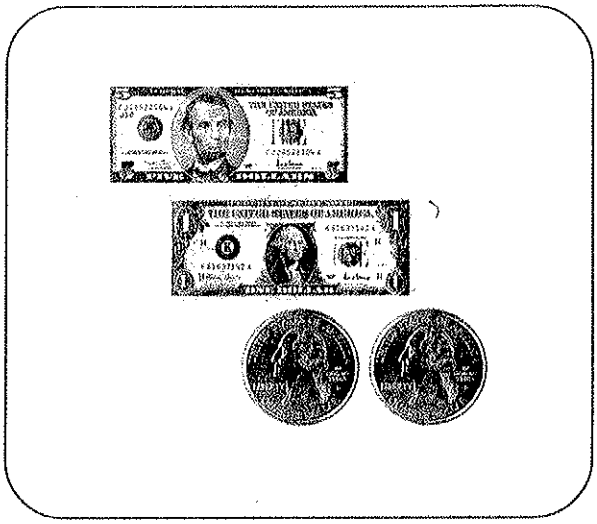
(c) Lily has 6 quarters and 12 nickels.
How much money does she have altogether?

5. There are 4 nickels, 2 quarters and 4 one-dollar bills in a purse.
What is the total amount of money in the purse?

2 Addition

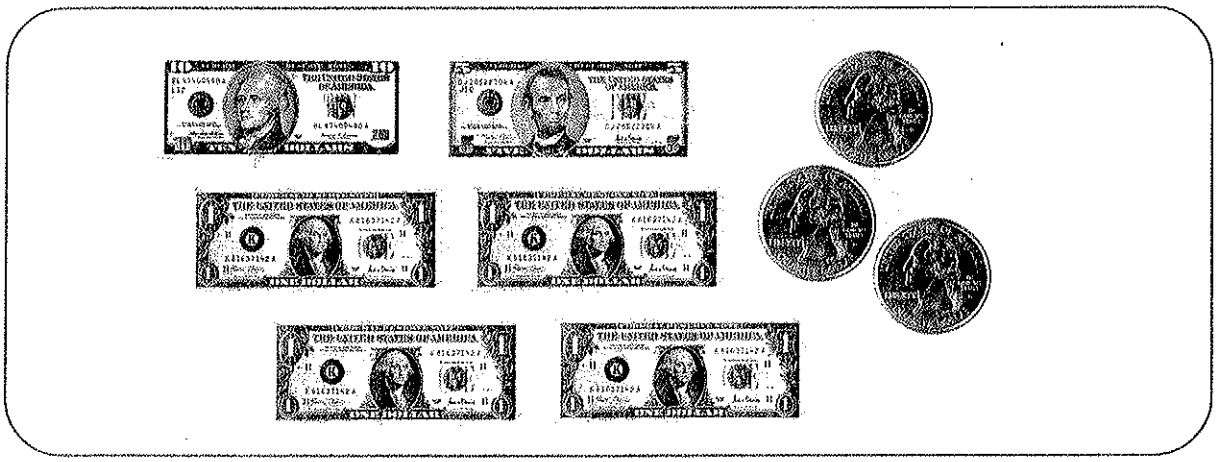
Morgan bought a box of chocolates for $13.25 and a cake for $6.50.
How much did she spend altogether?





Cost of chocolates

Cost of cake



Total cost of chocolates and cake

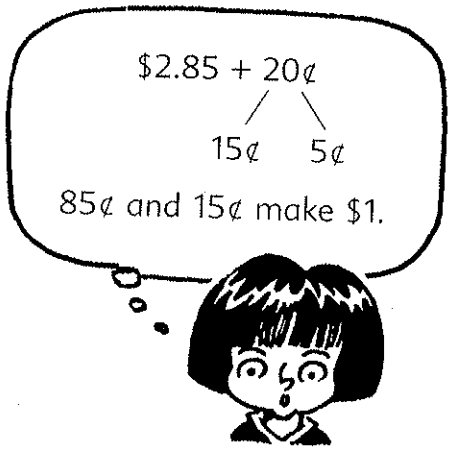
$13.25 + $6.50 = $ ▢

She spent $ ▢ altogether.

1. Find the value of

(a) $1.50 + 20¢$
(b) $14.20 + 65¢$
(c) $38.40 + 35¢$
(d) $2.75 + 25¢$
(e) $25.40 + 60¢$
(f) $33.85 + 15¢$

2. (a) $2.85 + 20¢ = \$\blacksquare$
(b) $2.70 + 60¢ = \$\blacksquare$
(c) $5.65 + 45¢ = \$\blacksquare$
(d) $16.95 + 45¢ = \$\blacksquare$
(e) $24.70 + 95¢ = \$\blacksquare$



3. (a) $25.70 $\xrightarrow{+\$4}$ $\$\blacksquare$ $\xrightarrow{+10¢}$ $\$\blacksquare$

$25.70 + \$4.10 = \$\blacksquare$

(b) $34.65 $\xrightarrow{+\$2}$ $\$\blacksquare$ $\xrightarrow{+35¢}$ $\$\blacksquare$

$34.65 + \$2.35 = \$\blacksquare$

(c) $30.80 $\xrightarrow{+\$5}$ $\$\blacksquare$ $\xrightarrow{+40¢}$ $\$\blacksquare$

$30.80 + \$5.40 = \$\blacksquare$

(d) $24.70 $\xrightarrow{+\$10}$ $\$\blacksquare$ $\xrightarrow{+50¢}$ $\$\blacksquare$

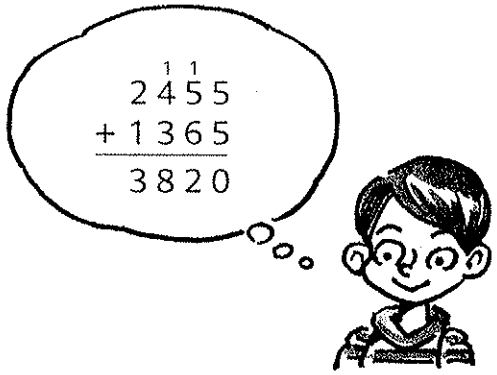
$24.70 + \$10.50 = \$\blacksquare$

4. Find the value of

(a) $14.65 + \$6.20$
(b) $\$13.60 + \$24.40$
(c) $\$32.70 + \$24.50$
(d) $\$15.60 + \$23.70$
(e) $\$40.85 + \$19.65$
(f) $\$28.35 + \$26.75$

5. We can add \$24.55 and \$13.65 like this:

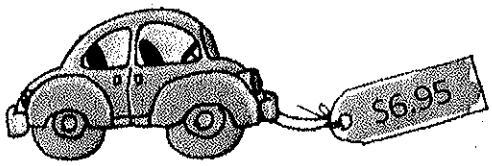
$$\begin{array}{r} \$24.55 \\ +\ \$13.65 \\ \hline \$38.20 \end{array}$$



Use this method to find the value of
(a) \$35.30 + \$21.40
(b) \$27.10 + \$10.90
(c) \$40.70 + \$33.60
(d) \$52.85 + \$16.35
(e) \$28.65 + \$32.45
(f) \$36.90 + \$24.85

Workbook Exercise 47

6. Ali bought a toy car for \$6.95.
He also spent \$2.80 on a meal.
How much money did he spend altogether?



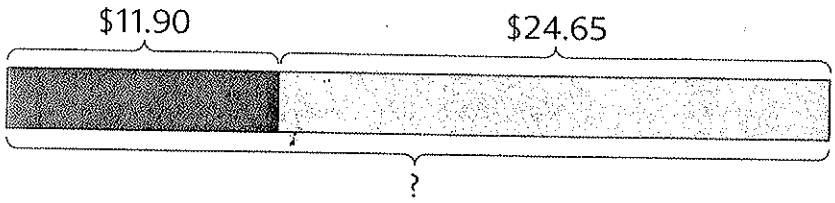
\$2.80 + \$6.95 = \$ ▪

He spent \$ ▪ altogether.

7.

8.

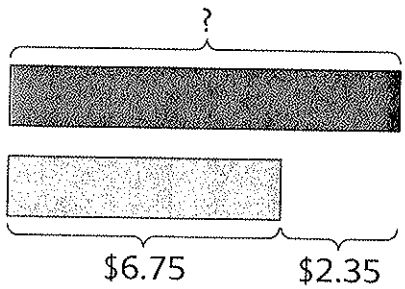
7. Mingfa paid $11.90 for a pen.
He had $24.65 left.
How much money did he have at first?



$11.90 + $24.65 = $[redacted]

He had $[redacted] at first.

8. John saves $6.75 this week.
He saves $2.35 less this week than last week.
How much money did he save last week?



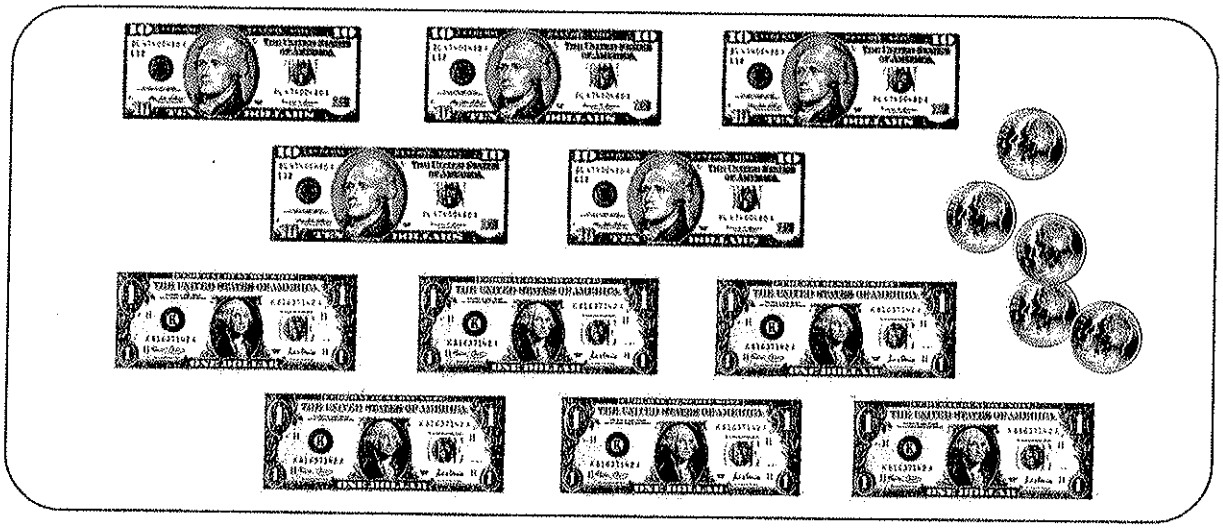
$6.75 + $2.35 = $[redacted]

He saved $[redacted] last week.

Workbook Exercise 48

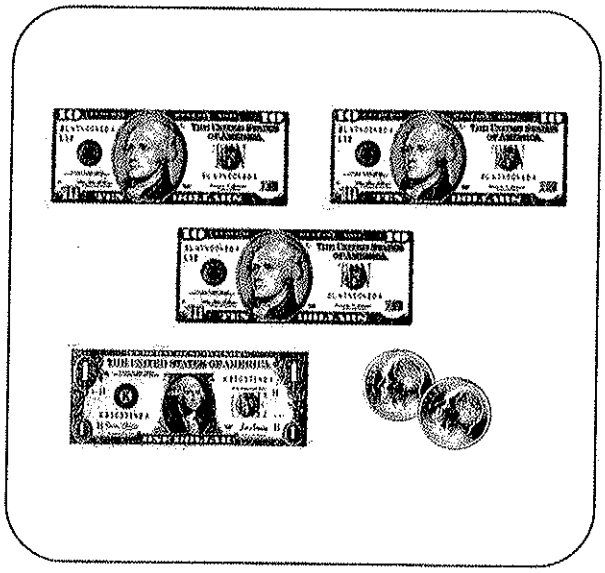
3 Subtraction

Chris bought a radio and a calculator for $56.50.
The calculator cost $25.30.
How much did the radio cost?



Cost of radio and calculator

Cost of calculator



Cost of radio

$56.50 − $25.30 = $ ▮

The radio cost $ ▮.

1.

2.

3.

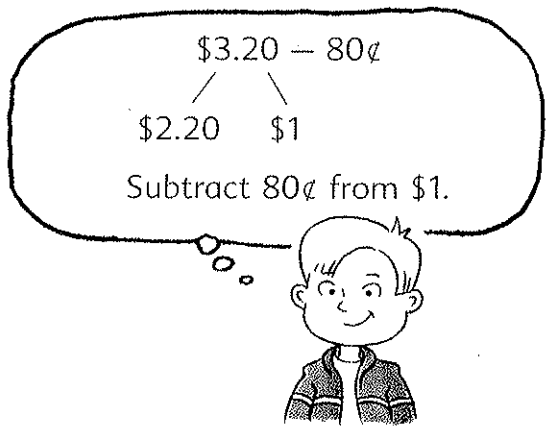
4.

5.

1. Find the value of
   (a) \$2.60 − 20¢
   (b) \$8.75 − 30¢
   (c) \$35.85 − 45¢
   (d) \$1.50 − 25¢
   (e) \$6.50 − 45¢
   (f) \$46.70 − 25¢

2. (a) \$1 − 60¢ = ■¢
   (b) \$1.30 − 60¢ = ■¢
   (c) \$1.25 − 35¢ = ■¢
   (d) \$1.40 − 85¢ = ■¢

3. (a) \$3.20 − 80¢ = \$■
   (b) \$14.65 − 90¢ = \$■
   (c) \$46.25 − 45¢ = \$■
   (d) \$32.05 − 85¢ = \$■
   (e) \$42.30 − 55¢ = \$■



4. (a) \$16.80 $\xrightarrow{-\$4}$ \$■ $\xrightarrow{-60¢}$ \$■

   \$16.80 − \$4.60 = \$■

   (b) \$37.70 $\xrightarrow{-\$10}$ \$■ $\xrightarrow{-20¢}$ \$■

   \$37.70 − \$10.20 = \$■

   (c) \$29.20 $\xrightarrow{-\$12}$ \$■ $\xrightarrow{-50¢}$ \$■

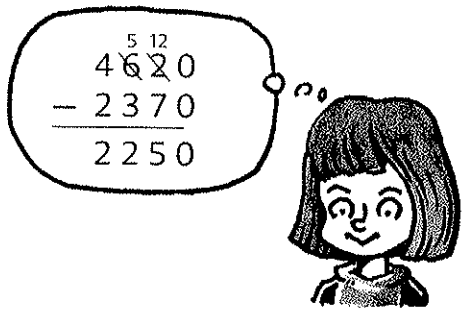
   \$29.20 − \$12.50 = \$■

5. Find the value of
   (a) \$47.50 − \$12
   (b) \$35.70 − \$0.85
   (c) \$58 − \$12.60
   (d) \$64.40 − \$11.60
   (e) \$25.05 − \$15.35
   (f) \$56.20 − \$28.95

6. We can subtract \$23.70 from \$46.20 like this:

10.

$$\begin{array}{r} \$46.20 \\ -\ \$23.70 \\ \hline \$22.50 \end{array}$$



Use this method to find the value of

(a) \$45.10 – \$23.40 (b) \$36.35 – \$10.85
(c) \$94.60 – \$37.80 (d) \$52.25 – \$35.45
(e) \$70.20 – \$28.75 (f) \$65.05 – \$35.15

7. Find the value of

(a) 6200 – 415 (b) \$62.00 – \$4.15
(c) 4005 – 835 (d) \$40.05 – \$8.35

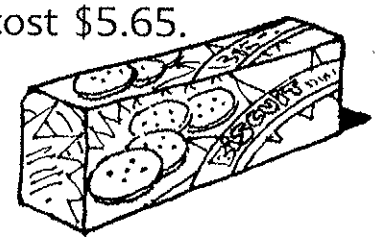
11.

8. Find the value of

(a) \$10 – \$4.70 (b) \$30 – \$7.20 (c) \$50 – \$8.25
(d) \$50 – \$23.80 (e) \$100 – \$52.90 (f) \$100 – \$39.45

Workbook Exercise 49

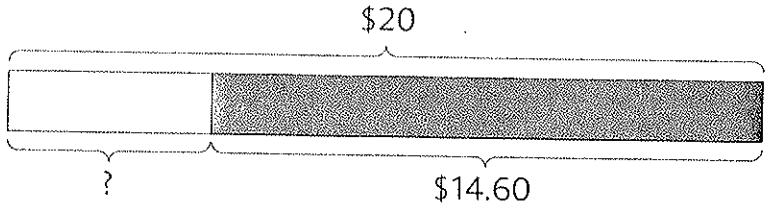
9. Nancy bought a box of crackers which cost \$5.65.
She gave the cashier \$10.
How much change did she receive?



\$10 – \$5.65 = \$ ▮

She received \$ ▮ change.

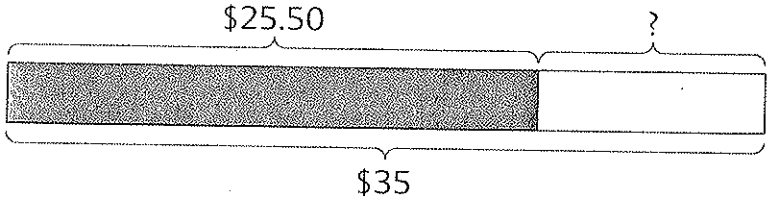
10. Meili had $20.
She bought an umbrella and had $14.60 left.
What was the cost of the umbrella?



$20 − $14.60 = $ ▓

The umbrella cost $ ▓.

11. Minghua has $25.50.
He wants to buy a watch which costs $35.
How much more money does he need?



$35 − $25.50 = $ ▓

He needs $ ▓ more.

Workbook Exercises 50 & 51

PRACTICE 5B

1. Add.
   (a) \$26.20 + \$13.50
   (b) \$39.45 + \$60.55
   (c) \$48.40 + \$27.30
   (d) \$15.95 + \$24.35
   (e) \$65.85 + \$25.80
   (f) \$36.45 + \$54.55

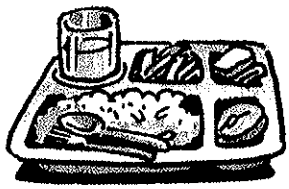
2. Subtract.
   (a) \$36.70 − \$15.35
   (b) \$60.50 − \$24.45
   (c) \$52.30 − \$30.70
   (d) \$40.05 − \$16.30
   (e) \$72.20 − \$26.95
   (f) \$81.00 − \$31.85

3. After spending \$24.60, Holly had \$76.40 left.
   How much money did she have at first?

4. Jerome wants to buy a fishing rod which costs \$62.50.
   He has only \$48.60.
   How much more money does he need?

5. A toy car costs \$16.80.
   A toy airplane costs \$5.60 more than the toy car.
   What is the cost of the toy airplane?

6. Sean had \$10.
   After paying for his lunch, he had \$6.95 left.
   How much did his lunch cost?



7. A shirt and a skirt cost \$42.50.
   The shirt costs \$16.85.
   What is the cost of the skirt?

8. Anne had \$40.50.
   She bought a pen for \$6.80 and a book for \$13.20.
   How much money did she have left?

PRACTICE 5C

Find the value of each of the following:

(a)

1. $14.85 + $26.15
2. $29.65 + $0.95
3. $40.80 + $59.20
4. $34.45 + $28.95
5. $72.95 + $26.95

(b)

$25.60 − $22.35
$41.90 − $16.75
$50.00 − $31.05
$32.05 − $22.95
$64.25 − $35.95

6. A badminton racket costs $15.90.
   A tennis racket costs $42.50.
   How much cheaper is the badminton racket than the tennis racket?

7. The usual price of a radio is $43.
   Its sale price is $29.95.
   How much cheaper is the sale price than the usual price?

8. Rachel has $10.80.
   Her mother gives her some more money.
   She has $12.30 now.
   How much money does her mother give her?

9. Mr. Chen bought some vegetables for $2.40 and a fish for $3.70.
   He had $21.30 left.
   How much money did he have at first?

10. Wendy bought a chicken and a duck.
    The chicken cost $5.70.
    The duck cost $1.95 more than the chicken.
    How much did she spend altogether?

REVIEW B

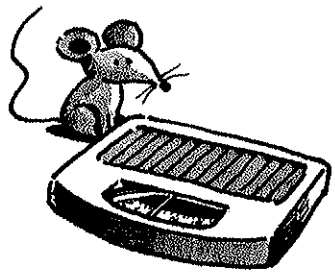
Find the value of each of the following:

	(a)	(b)	(c)
1.	609 + 92	982 + 128	4976 + 24
2.	820 − 118	903 − 294	3005 − 2096
3.	49 × 6	204 × 7	382 × 9
4.	96 ÷ 6	104 ÷ 7	260 ÷ 8

5. Andrea worked in a factory for 9 days.
She was paid $45 each day.
How much did she earn altogether?

6. Mrs. Mills paid $56 for 4 dresses.
Each dress costs the same. How much did each dress cost?

7. Lily weighs 29 kg.
Her father is 3 times as heavy as she.
How much heavier is Lily's father than Lily?



8. Mitch bought 2500 tiles.
He used 1164 tiles for one room and 940 tiles for another room.
How many tiles were left?

9. 4 people bought a birthday present for their friend.
They paid the cashier $100 and received $48 change.
If they shared the cost equally, how much did each person pay?

10. Mrs. Barret bought 8 packets of cookies for a party.
There were 12 cookies in each packet.
After the party, there were 28 cookies left.
How many cookies were eaten at the party?