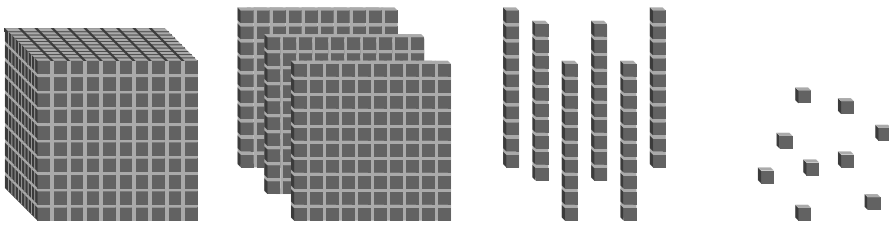


Exercise 2

Basics

- 1 (a) Write the numbers in the place-value chart.

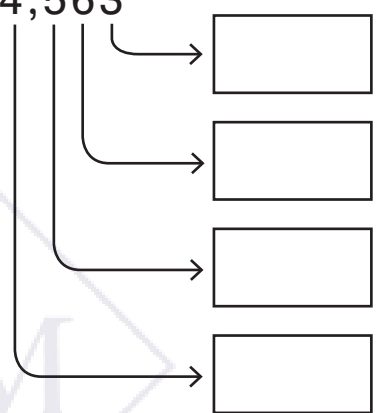


1,000	100 100 100	10 10 10 10 10 10	1 1 1 1 1 1 1 1 1
Thousands	Hundreds	Tens	Ones

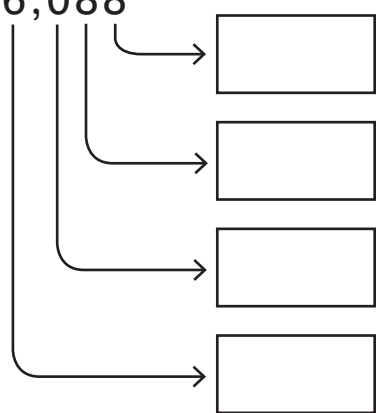
- (b) How many blocks (■) are there in all?

- 2 What is the value of each digit?

(a) 4,563



(b) 6,088



- (c) In 4,563, the digit 6 is in the _____ place.

- (d) In 6,088, the digit 6 is in the _____ place.

Practice



(a) What number is shown?

(b) Write the number in words.

(c) The digit _____ is in the _____ place, and its value is 4,000.

(d) The digit 0 is in the _____ place, and its value is _____.

(e) The value of the digit 7 is _____.

4

Thousands	Hundreds	Tens	Ones
8	0	4	7

In 8,047 ...

(a) The digit 4 is in the _____ place, and its value is _____.

(b) The digit _____ stands for 8 thousands, and its value is _____.

(c) The digit 0 is in the _____ place, and its value is _____.

(d) The value of the digit 7 is _____.

- 5 (a) $6,437 = 6,000 + \square + 30 + 7$
- (b) $2,442 = 2,000 + 400 + \square + 2$
- (c) $8,109 = \square + 100 + 9$
- (d) $3,730 = 3,000 + \square + 30$
- (e) $5,029 = 5,000 + 20 + \square$
- (f) $9,009 = 9,000 + \square$

- 6 (a) $1,392 = 2 + 90 + \square + 1,000$
- (b) $5,353 = 300 + 5,000 + \square + 3$
- (c) $9,620 = 600 + \square + 20$
- (d) $4,001 = \square + 4,000$
- (e) $3,030 = \square + 3,000$

Challenge

- 7 Use the clues to find the mystery 4-digit number.

Clue 1: The value of one of the digits is 200.

Clue 2: One of the digits stands for 8 thousands.

Clue 3: The digit 2 is in the ones place.

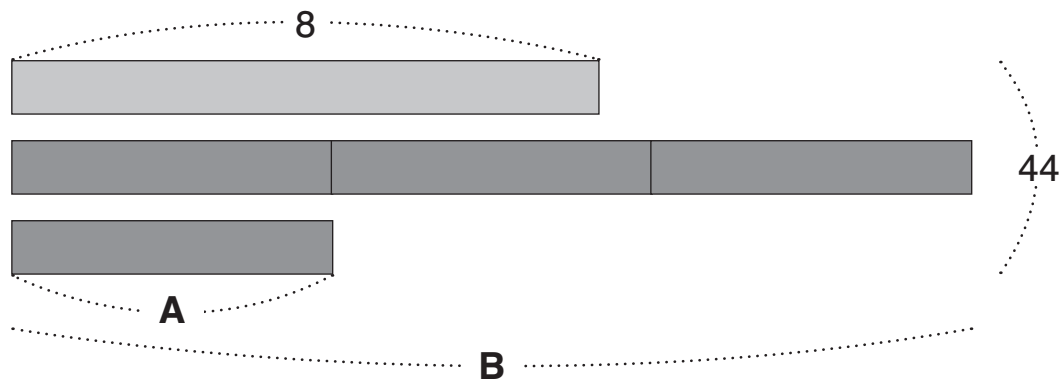
Clue 4: The total of the digits when added together is 12.

The number is .

Exercise 9

Basics

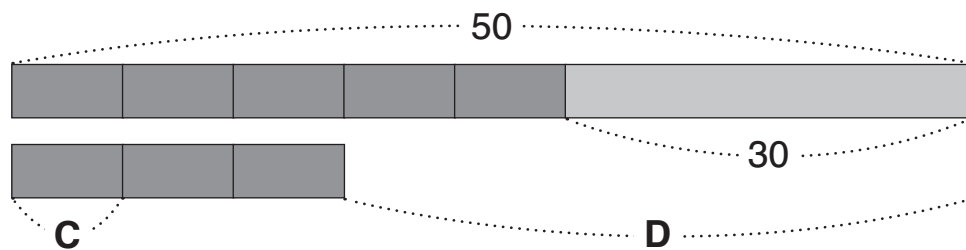
- 1 Complete the equations to find the unknown numbers.



A 4 units $\rightarrow 44 - \square = \square$

1 unit $\rightarrow \square \div \square = \square$

B 3 units $\rightarrow \square \times 3 = \square$



C 5 units $\rightarrow 50 - \square = \square$

1 unit $\rightarrow \square \div \square = \square$

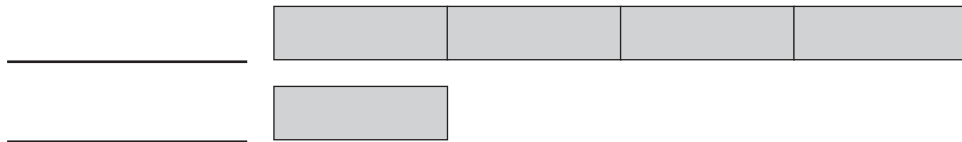
D 2 units $\rightarrow \square \times 2 = \square$

$30 + \square = \square$

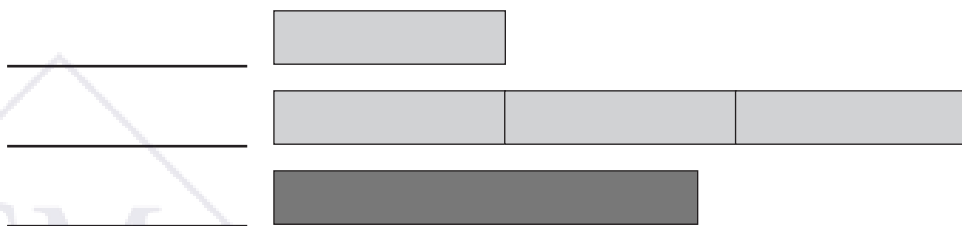
Practice

Label the bar models with the information in the problems and solve the problems.

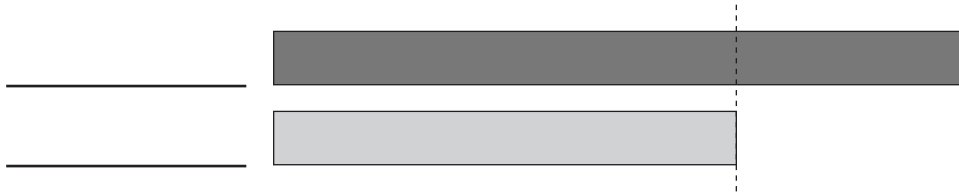
- 2** Papina and her little sister Camila found 45 seashells.
Papina found 4 times as many seashells as Camila.
How many more seashells did Papina find than Camila?



- 3** Kona is arranging 28 pictures onto 3 pages in an album.
The first page has 5 pictures.
The second page has 3 times as many pictures as the first page.
How many pictures are on the third page?



- 4** Leo and Kalama together have 23 stickers.
Kalama has 7 fewer stickers than Leo.
How many stickers does Leo have?



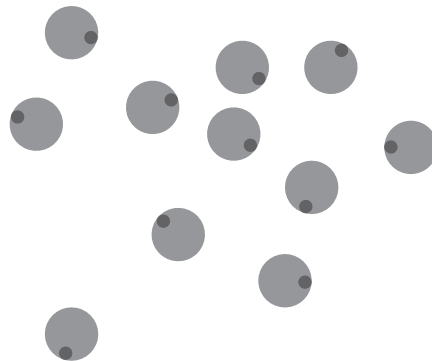
Draw models and solve each problem.

- 5** Jade has 28 trading cards.
She has 4 times as many trading cards as Jordan.
How many trading cards do they have altogether?

- 6** Malik has 4 packs of toy cars, each with 6 cars.
He wants to share them equally between himself and 2 friends.
How many cars does each friend get?



- 7** Jason has 59 beads.
He made a necklace with 10 of the beads.
He wanted to make as many bracelets as he could with the remaining beads.
Each bracelet had 5 beads.
How many bracelets could he make?



Challenge

- 8** Jamal's family has 3 breeds of chickens and a total of 35 chickens.
They have 10 more Leghorn chickens than Bantam chickens.
They have 12 more Leghorn chickens than Sussex chickens.
How many Bantam chickens do they have?



Exercise 10

Check

- 1 (a) Find the product of 3 and 7.
- (b) Find the quotient of 0 divided by 8.
- (c) Find the quotient and remainder for 35 divided by 4.

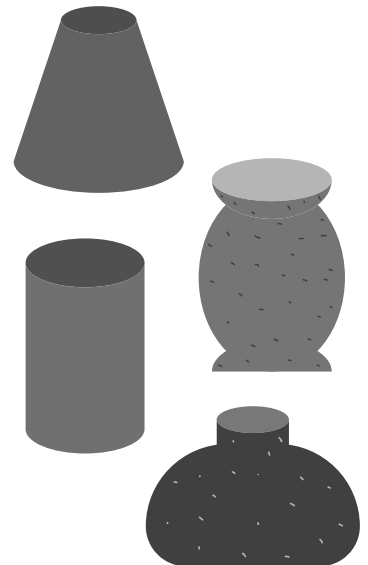
2 (a) $26 = 8 \times \square + 2$

(b) $5 + 5 + 5 + 5 + \square = 7 \times 5$

(c) $7 \times 4 = 5 \times 4 + \square$

(d) $9 \times 4 = 10 \times 4 - \square$

- 3 Tomas has an odd number of flowers.
He puts the same number of flowers into 4 vases.
How many flowers could he have left over?



4 Multiply or divide.

S	$2 \times 7 = \square$	O	$40 \div 4 = \square$	E	$36 \div 4 = \square$
L	$3 \times 7 = \square$	R	$5 \times 5 = \square$	I	$18 \div 3 = \square$
T	$8 \div 8 = \square$	P	$4 \times 3 = \square$	N	$4 \times 4 = \square$
F	$4 \times 6 = \square$	W	$8 \div 4 = \square$	S	$5 \times 9 = \square$
I	$3 \times 5 = \square$	K	$80 \div 10 = \square$	C	$20 \div 5 = \square$
M	$25 \div 5 = \square$	U	$2 \times 0 = \square$	E	$28 \div 4 = \square$
D	$3 \times 6 = \square$	H	$5 \times 4 = \square$	A	$9 \div 3 = \square$

Write the letters that match the answers above to learn something weird but true.

17	8	7	1	4	20	0	12	13	2	3	14	11

24	6	25	45	1	19	14	10	21	18	29	3	45

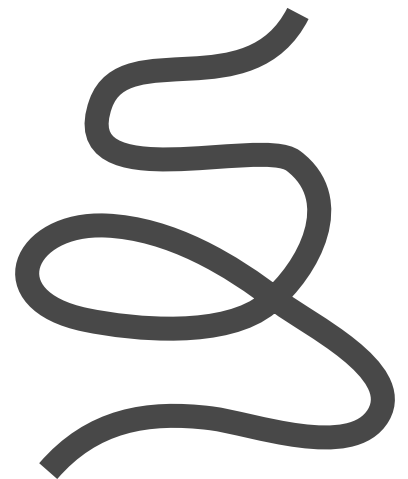
27	26	5	9	18	15	4	6	16	7	22	30	23

- 5 5 children share 38 crayons equally.
How many crayons are left over?

- 6 A pack of 10 notepads costs \$5.
Jasmine has \$42.

- (a) How many packs of notepads could she buy?
- (b) If she buys 5 packs of notepads, how much money will she have left over?
- (c) If she spends \$35 on the packs of notepads, how many notepads will she have?

- 7 Mia has 3 times as many ribbons as Asima.
Altogether they have 20 ribbons.
How many more ribbons does Mia have than Asima?



Challenge

- 8 Complete the cross-number puzzles.

(a)

7	×		=	
×		×		+
10	×		=	
=		=		=
	-		=	58

(b)

5	×		=	
×		×		-
2	×		=	
=		=		=
	+		=	34

- 9 Logan has twice as many comic books as Jade.
 After Jade buys 9 more comic books, she has twice
 as many comic books as Logan.
 How many comic books did Jade have at first?



Exercise 4

Basics

Fill in the missing numbers or digits.

1 $8 \times 3 = \square$

$20 \times 3 = \square$

$28 \times 3 = \square$

$$\begin{array}{r} 28 \\ \times 3 \\ \hline \end{array}$$

← 8×3
← 20×3

$$\begin{array}{r} \square \\ 28 \\ \times 3 \\ \hline \end{array}$$

↑ 8×3
 $20 \times 3 + 20$

2 $8 \times 2 = \square$

$38 \times 2 = 30 \times 2 + \square$

$= \square$

$$\begin{array}{r} 38 \\ \times 2 \\ \hline \end{array}$$

3 $9 \times 4 = \square$

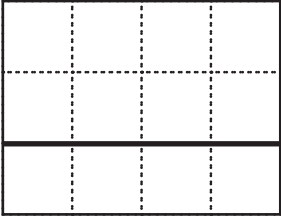
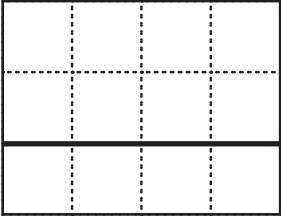
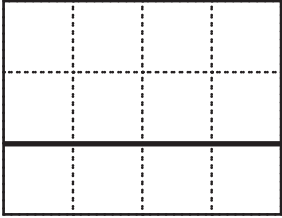
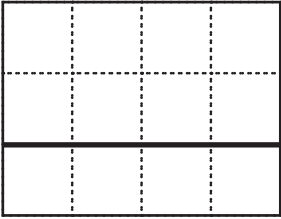
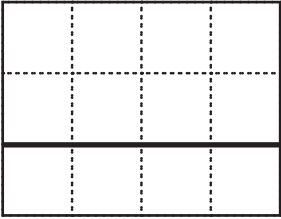
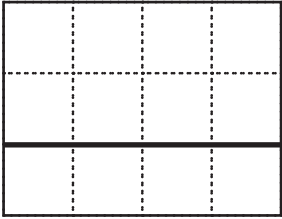
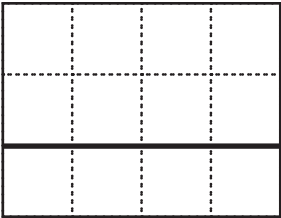
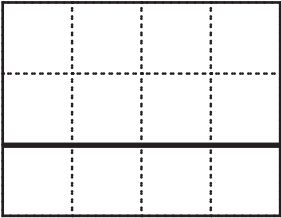
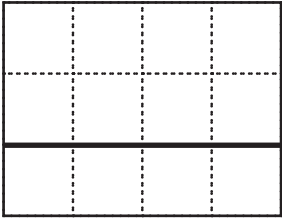
$19 \times 4 = 10 \times 4 + \square$

$= \square$

$$\begin{array}{r} 19 \\ \times 4 \\ \hline \end{array}$$

Practice

4 Multiply.

38×2 	15×4 	27×3 
A	O	M
4×23 	5×17 	36×2 
U	E	R
19×3 	2×39 	3×25 
Y	N	

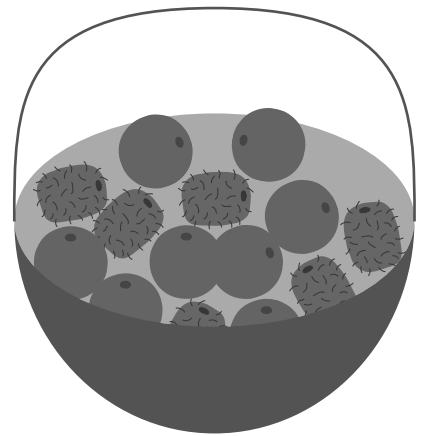
Riddle: What belongs to you but is used more by others?

Write the letters (or blank for space) in the boxes below to find out.

78	60	92	72	57	75	76	81	85

- 5 Each student in the class is to be given 4 sheets of paper.
If there are 24 students in the class, how many sheets of paper are needed?

- 6 A gift basket has 12 kiwis and 12 tangerines.
How many fruits do 2 such gift baskets have?



Challenge

7 $19 \times 4 = 20 \times 4 - \square$

- 8 Write the missing digits in each equation to make them true.

(a) Missing: 1, 5, and 6

$$\begin{array}{r} \square \square \\ \times \quad \square \\ \hline 80 \end{array}$$

(b) Missing: 1, 2, and 3

$$\begin{array}{r} \square 7 \\ \times \quad \square \\ \hline 8 \square \end{array}$$