

ORIGO

STEPPING STONES

SAMPLE PAGES

CORE MATHEMATICS



SENIOR AUTHORS

James Burnett

Calvin Irons

CONTRIBUTING AUTHORS

Debi DePaul

Peter Stowasser

Allan Turton

PROGRAM EDITORS

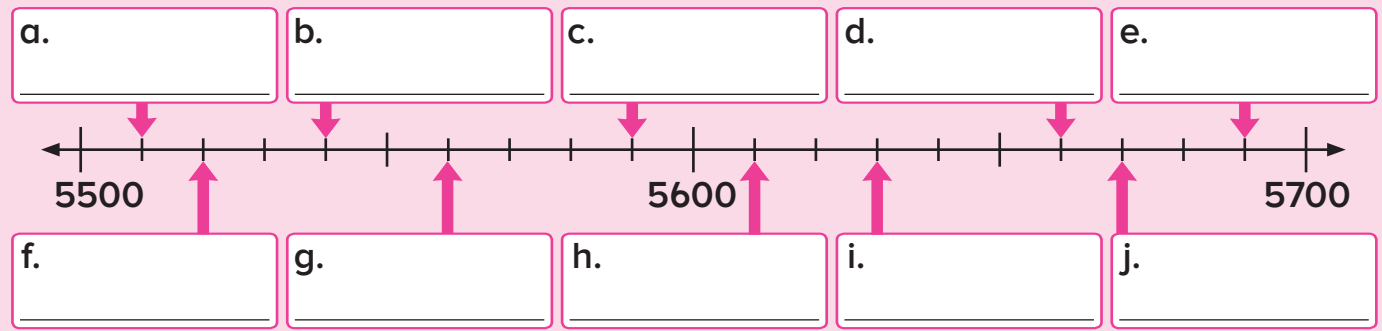
James Burnett

Beth Lewis

Donna Richards

Stacey Lawson

1. Write the number that each arrow is pointing to.



2. Draw jumps to show how you add to find each total. Then write the total.

a. $6584 + 53 =$ _____



b. $3270 + 554 =$ _____



3. Look at the blocks. Write the matching number and number name.

a. _____

The blocks consist of three large cubes (thousands), two flats (hundreds), seven rods (tens), and three units (ones). The place value chart has four columns, with the first column labeled 'thousands'.

b. _____

The blocks consist of three large cubes (thousands), two flats (hundreds), seven rods (tens), and three units (ones). The place value chart has four columns, with the first column labeled 'thousands'.

WHERE AM I?

When Mariam was on holiday, she found a room that had no floor or ceiling and no windows or doors. What type of room did she find?

★ Work out each of these and write the answer. Find the answers in the grid below and cross out the letter above. Write the remaining letters at the bottom of the page.

$64 - 32 =$ <input type="text"/>	$12 + 13 =$ <input type="text"/>	$62 - 31 =$ <input type="text"/>
$42 + 43 =$ <input type="text"/>	$48 - 24 =$ <input type="text"/>	$21 + 22 =$ <input type="text"/>
$46 - 23 =$ <input type="text"/>	$41 + 42 =$ <input type="text"/>	$45 - 23 =$ <input type="text"/>
$22 + 22 =$ <input type="text"/>	$27 - 14 =$ <input type="text"/>	$14 + 15 =$ <input type="text"/>
$82 - 41 =$ <input type="text"/>	$22 + 23 =$ <input type="text"/>	$65 - 32 =$ <input type="text"/>
$32 + 31 =$ <input type="text"/>	$84 - 42 =$ <input type="text"/>	$24 + 24 =$ <input type="text"/>



B	A	T	H	G	A	M	E	S
23	30	42	24	45	31	14	41	63
C	U	P	S	H	O	W	E	R
83	64	32	84	46	85	25	48	34
B	E	D	B	R	O	O	M	S
22	29	33	44	13	18	66	28	43

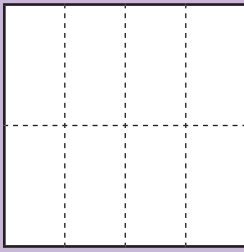


Write the remaining letters in order from the * to the bottom-right corner.

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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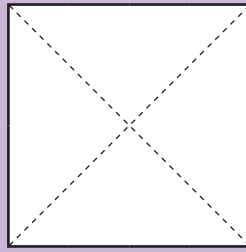
1. Each square is one whole. Colour one of the equal parts then write a common fraction to show how much **is coloured**.

a.



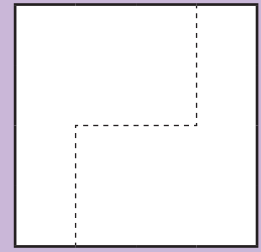
Fraction coloured

b.



Fraction coloured

c.



Fraction coloured

2. Split one number in each sentence to show how you would add or subtract.

a. 4700 + 560 is the same as

4700 + 500 + 60

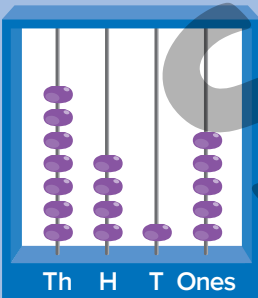
b. 5800 + 452 is the same as

c. 3200 - 680 is the same as

d. 2500 - 765 is the same as

3. Write or draw the missing parts.

a.



seven thousand

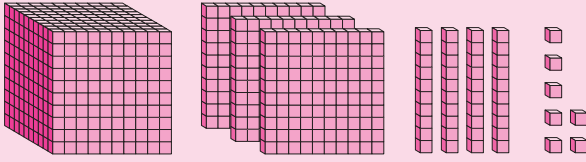
b.



2804

1. Look at the blocks. Write the matching number on the place-value chart and expander.

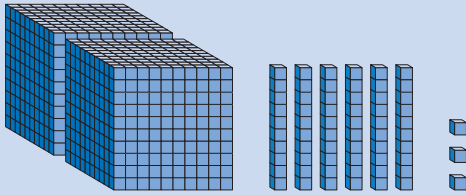
a.



Th	H	T	Ones
_____	_____	_____	_____



b.



Th	H	T	Ones
_____	_____	_____	_____



2. Record the thinking you use to work out the total cost.

a.

\$314

\$5620

\$ _____

b.

\$3625

\$173

\$ _____

c.

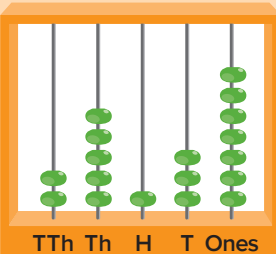
\$623

\$1254

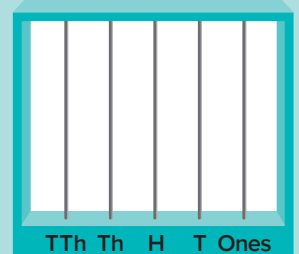
\$ _____

3. Draw beads or write numbers to complete the missing parts.

a.



b.



SPACE HOPPING

★ Help the astronaut reach the rocket safely. Work out and write the product for each moon. Use a green pencil to colour the products that have 0 in the ones place.



$5 \times 2 = \square$

$8 \times 5 = \square$

$5 \times 10 = \square$

$5 \times 7 = \square$

$5 \times 3 = \square$

$4 \times 5 = \square$

$5 \times 6 = \square$

$1 \times 5 = \square$

$6 \times 5 = \square$

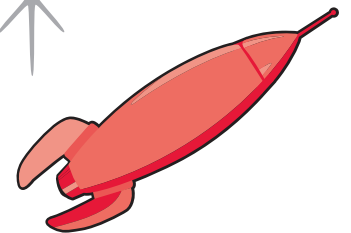
$5 \times 8 = \square$

$5 \times 5 = \square$

$5 \times 9 = \square$

$5 \times 4 = \square$

$10 \times 5 = \square$



1. Write two facts that you could use to solve each problem.

- a. Each roller coaster car carries 4 people.
There are 20 people waiting in line.
How many cars will be filled?

$$\begin{array}{r} \underline{\quad} \times \underline{\quad} = \underline{\quad} \\ \underline{\quad} \div \underline{\quad} = \underline{\quad} \end{array}$$

- b. 40 crates of oranges are shared equally
among 5 stores.
How many crates will each store receive?

$$\begin{array}{r} \underline{\quad} \times \underline{\quad} = \underline{\quad} \\ \underline{\quad} \div \underline{\quad} = \underline{\quad} \end{array}$$

2. Draw jumps to show how to find each difference. Then write the difference.

a. $6585 - 32 = \underline{\hspace{2cm}}$



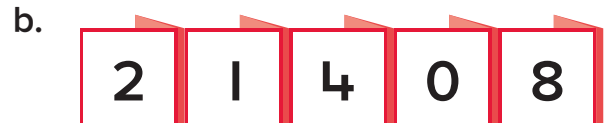
b. $5647 - 2513 = \underline{\hspace{2cm}}$



3. Complete the number sentences to describe the number shown on the expander.



$\underline{7} \times 10\,000 = \underline{70\,000}$
 $\underline{\quad} \times 1000 = \underline{\hspace{2cm}}$
 $\underline{\quad} \times 100 = \underline{\hspace{2cm}}$
 $\underline{\quad} \times 10 = \underline{\hspace{2cm}}$
 $\underline{\quad} \times 1 = \underline{\hspace{2cm}}$



$\underline{\quad} \times 10\,000 = \underline{\hspace{2cm}}$
 $\underline{\quad} \times 1000 = \underline{\hspace{2cm}}$
 $\underline{\quad} \times 100 = \underline{\hspace{2cm}}$
 $\underline{\quad} \times 10 = \underline{\hspace{2cm}}$
 $\underline{\quad} \times 1 = \underline{\hspace{2cm}}$

1. Draw lines to connect clocks that show the same time.

The image shows four analog clocks and four digital clocks. The analog clocks show the following times: 7:10, 7:50, 2:36, and 2:07. The digital clocks show the following times: 7:10, 7:50, 2:36, and 2:07.

2. Work out the difference between the prices. Show your thinking.

a. $\$758$ $\$235$

b. $\$2304$ $\$5796$

c. $\$351$ $\$4674$

\$ _____

\$ _____

\$ _____

3. Write $<$ or $>$ to make each statement true.

a. 1804 \bigcirc 1480

b. 2174 \bigcirc 2417

c. 69305 \bigcirc 69350

d. 7008 \bigcirc 8007

e. 26415 \bigcirc 26451

f. 31098 \bigcirc 13099

IT'S DELIVERY TIME AGAIN

★ These parcels need to be sorted into the correct vans. Work out and write each answer. Then colour each parcel to match the van with the same answer.

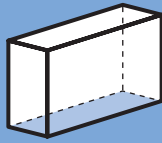
$16 \div 2$ _____	$18 \div 3$ _____	$15 \div 5$ _____	$27 \div 3$ _____	$6 \div 2$ _____
$30 \div 5$ _____	$8 \div 2$ _____	$12 \div 3$ _____	$35 \div 5$ _____	$21 \div 3$ _____
$12 \div 2$ _____	$45 \div 5$ _____	$35 \div 7$ _____	$18 \div 2$ _____	$25 \div 5$ _____
$24 \div 3$ _____	$14 \div 2$ _____	$40 \div 5$ _____	$10 \div 2$ _____	$20 \div 4$ _____

Which city will receive the most parcels? _____

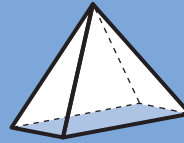
DARWIN 7	CAIRNS 9	PERTH 6	
SYDNEY 3	BRISBANE 8	MELBOURNE 5	ADELAIDE 4

1. Complete this table.

a.



b.



c.

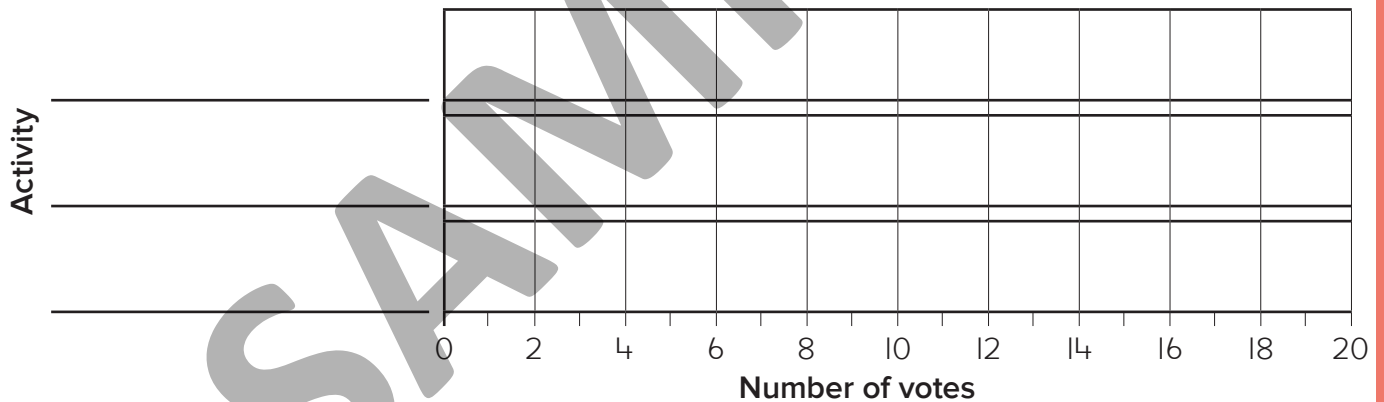


Number of faces			
Number of vertices			
Shape of base			
Number of sides on base			

2. This table shows the favourite after-school activities for some students in Year 4. Complete the column graph below to show the results.

Activity	Number of Votes
Television	10
Reading	19
Sports	16

Title: _____



3. Round each population to the nearest **hundred**.
Use the number line to help your thinking.



a. Population 23 156

b. Population 23 308

c. Population 23 279