

ORIGO

# STEPPING STONES

CORE MATHEMATICS



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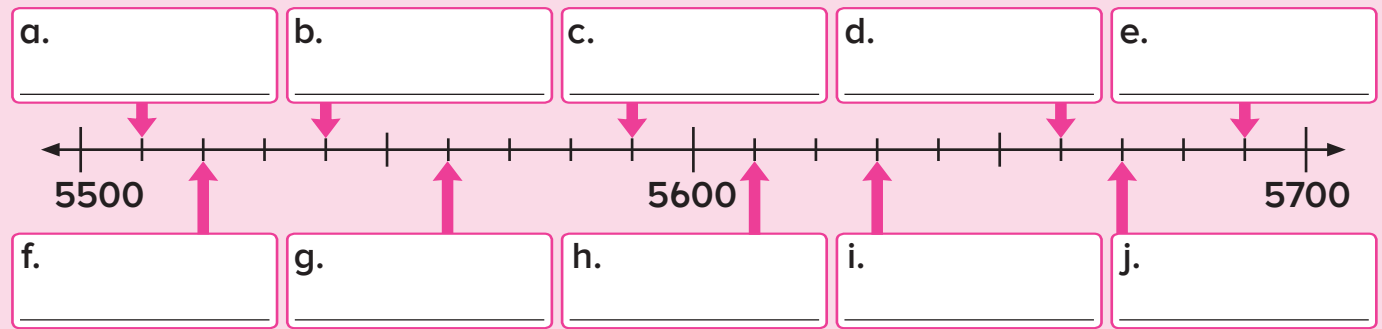
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1. Write the number that each arrow is pointing to.



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.

|  |           |  |  |
|--|-----------|--|--|
|  | thousands |  |  |
|--|-----------|--|--|

\_\_\_\_\_

b.

|  |           |  |  |
|--|-----------|--|--|
|  | 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 |

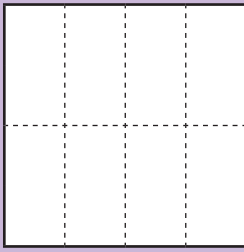


Write the remaining letters in order from the \* to the bottom-right corner.

|                      |                      |                      |                      |                      |                      |                      |                      |                      |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| <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"/> |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|

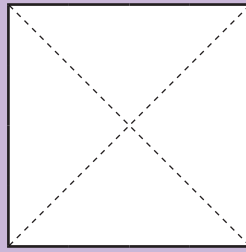
1. Each square is one whole. Colour one of the equal parts then write a common fraction to show how much **is coloured**.

a.



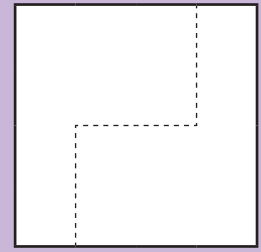
Fraction coloured

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

$4700 + 500 + 60$

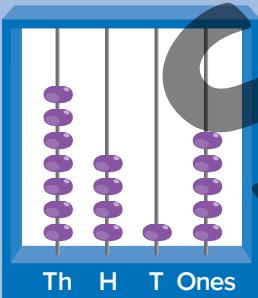
b.  $5800 + 452$  is the same as

c.  $3200 - 680$  is the same as

d.  $2500 - 765$  is the same as

3. Write or draw the missing parts.

a.




seven thousand

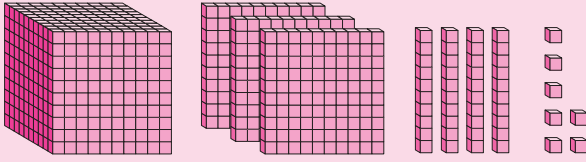
b.



2804

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

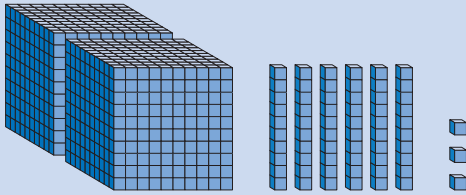
a.



| 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.

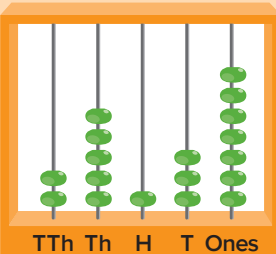
\$623

\$1254

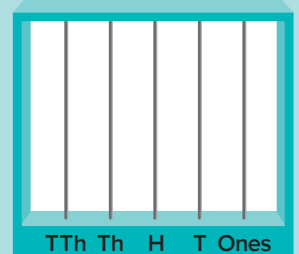
\$ \_\_\_\_\_

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.



$5 \times 2 = \square$

$8 \times 5 = \square$

$5 \times 10 = \square$

$5 \times 3 = \square$

$5 \times 7 = \square$

$4 \times 5 = \square$

$5 \times 6 = \square$

$1 \times 5 = \square$

$6 \times 5 = \square$

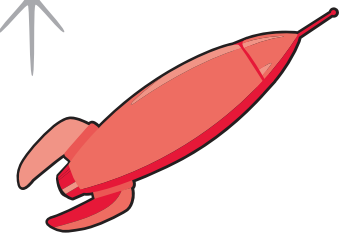
$5 \times 8 = \square$

$5 \times 5 = \square$

$5 \times 9 = \square$

$5 \times 4 = \square$

$10 \times 5 = \square$



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?

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

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

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

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.



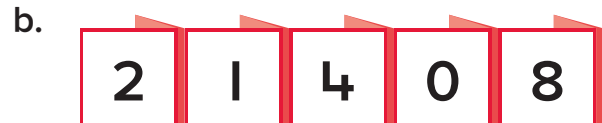
$$\underline{7} \times 10\,000 = \underline{70\,000}$$

$$\underline{\quad} \times 1000 = \underline{\quad}$$

$$\underline{\quad} \times 100 = \underline{\quad}$$

$$\underline{\quad} \times 10 = \underline{\quad}$$

$$\underline{\quad} \times 1 = \underline{\quad}$$



$$\underline{\quad} \times 10\,000 = \underline{\quad}$$

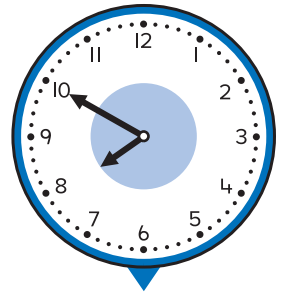
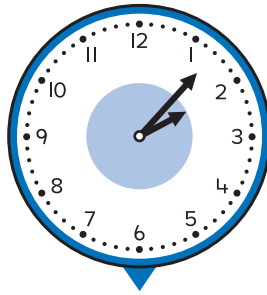
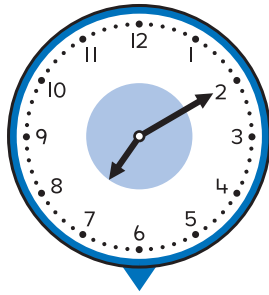
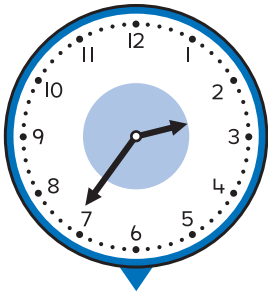
$$\underline{\quad} \times 1000 = \underline{\quad}$$

$$\underline{\quad} \times 100 = \underline{\quad}$$

$$\underline{\quad} \times 10 = \underline{\quad}$$

$$\underline{\quad} \times 1 = \underline{\quad}$$

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



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 ○ 1480

b.

2174 ○ 2417

c.

69305 ○ 69350

d.

7008 ○ 8007

e.

26415 ○ 26451

f.

31098 ○ 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.

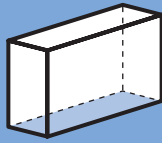
|                      |                      |                      |                      |                      |
|----------------------|----------------------|----------------------|----------------------|----------------------|
| $16 \div 2$<br>_____ | $18 \div 3$<br>_____ | $15 \div 5$<br>_____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

Which city will receive the most parcels? \_\_\_\_\_

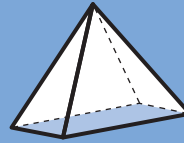


1. Complete this table.

a.



b.



c.

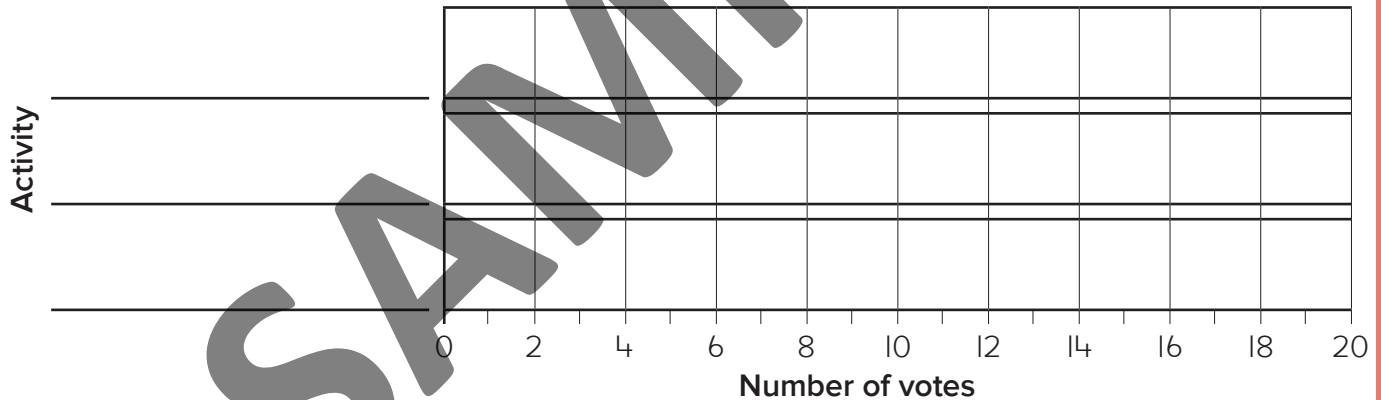


|                         |  |  |  |
|-------------------------|--|--|--|
| Number of faces         |  |  |  |
| Number of vertices      |  |  |  |
| Shape of base           |  |  |  |
| Number of sides on base |  |  |  |

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