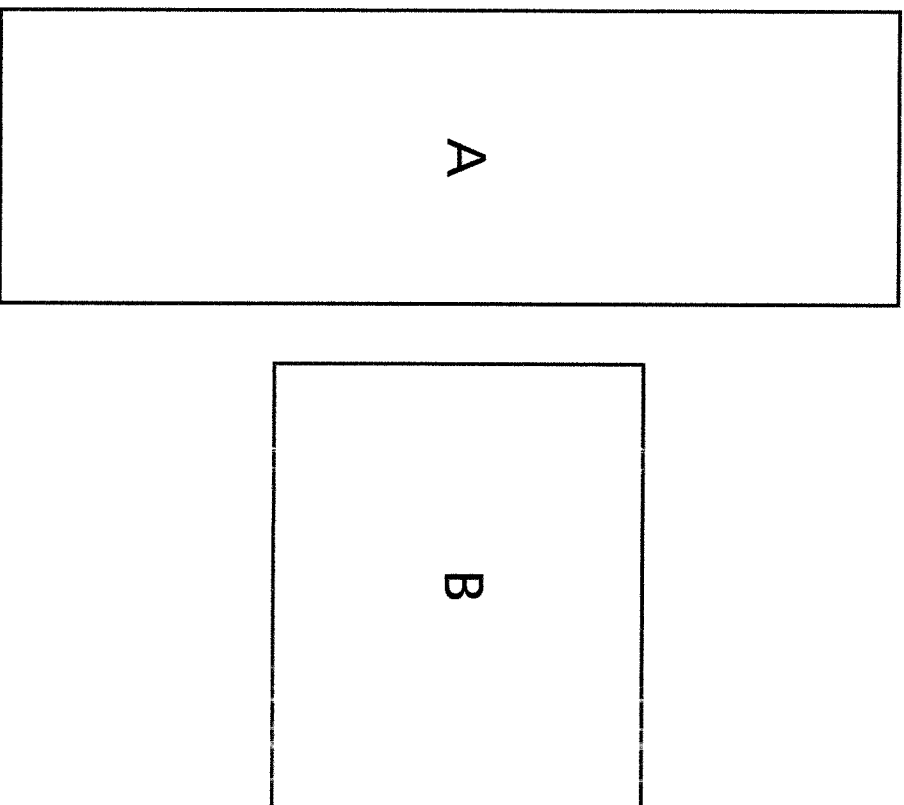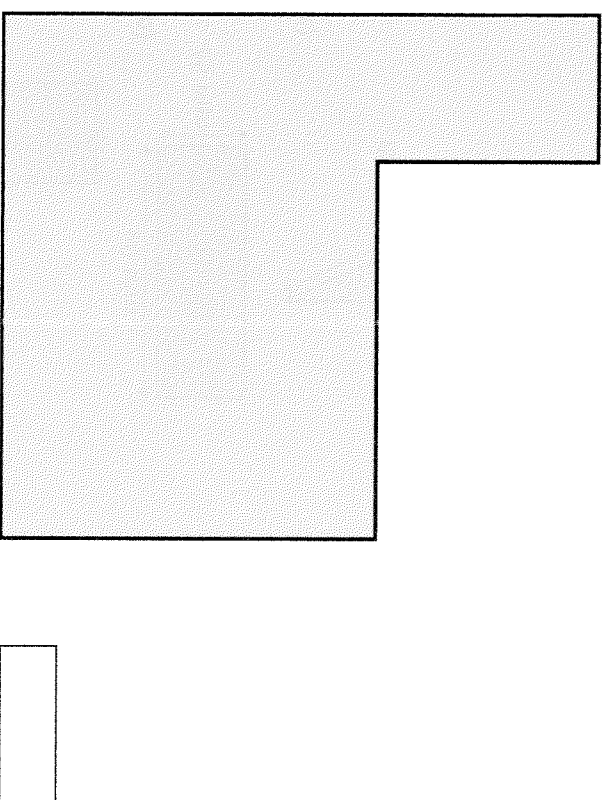1

Here are two rectangles.

A

B
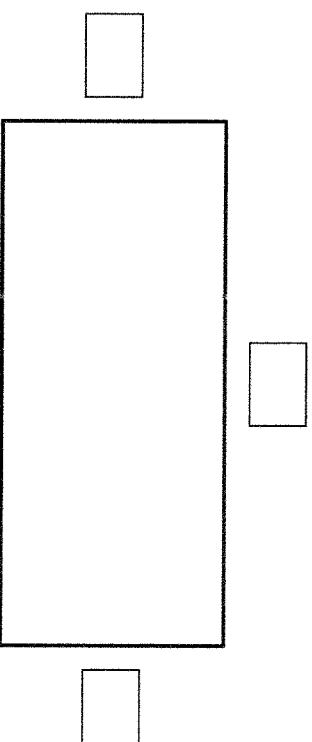
Use a piece of wool to measure the perimeter of each rectangle.

How much wool did you need for each one?

Give units with your answer.

A =

B =

Use a piece of wool to measure the perimeter of the hexagon.

How much wool did you need? Give units with your answer.
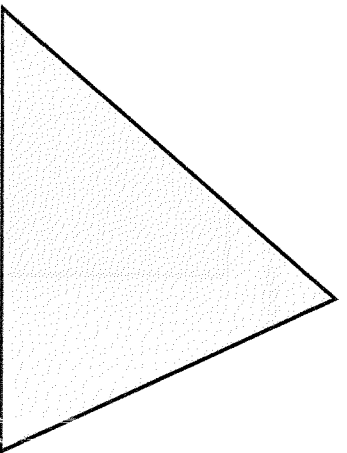
a) Measure each side of the rectangle and label it.
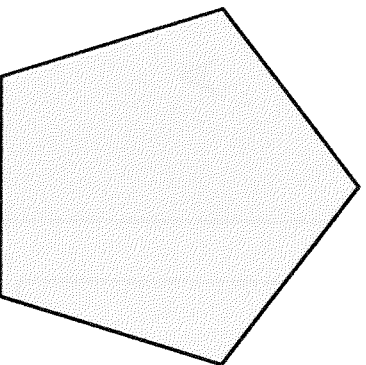
b) What is the perimeter of the rectangle?

Measure the perimeter of each shape.
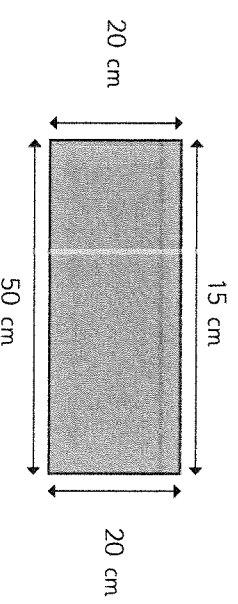
a)

perimeter = ☐

b)

perimeter = ☐

Draw a triangle with a perimeter of 15 cm.

Aisha is working out the perimeter of a rectangle.

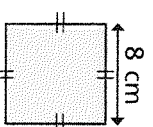She measures the length of all 4 sides and labels the rectangle.

20 cm

15 cm

50 cm

20 cm

How do you know that Aisha's measurements are wrong?

Is it possible to work out the perimeter of each shape?

Circle your answer.

a)

8 cm

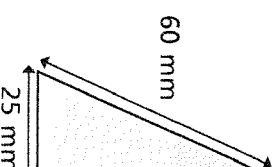yes   no

b)

25 mm

60 mm
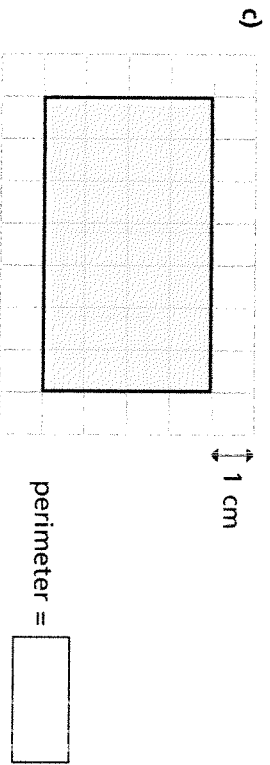
yes   no

c)

60 mm

25 mm

25 mm
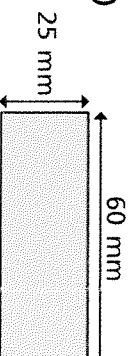
yes   no

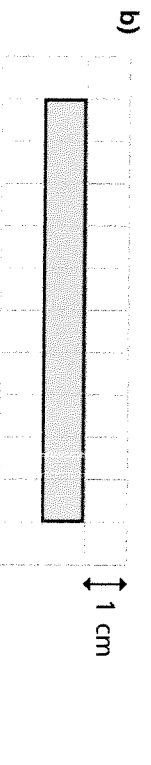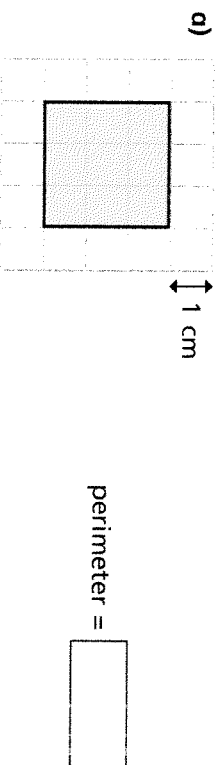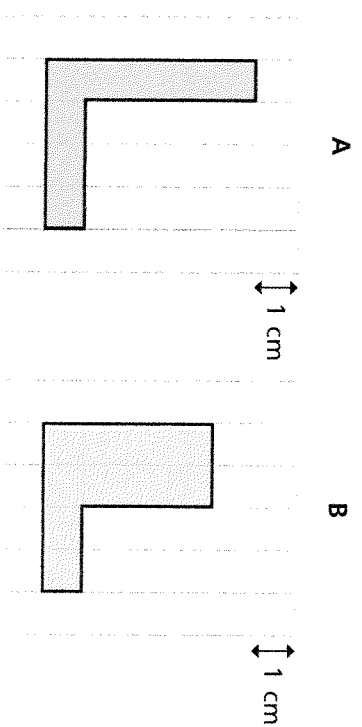How do you know whether you can or cannot find the perimeter of each shape?

Talk about it with a partner.

Work out the perimeter of each rectangle.

a)

↕ 1 cm

perimeter =

b)

↕ 1 cm

perimeter =

c)

↕ 1 cm

perimeter =

Which of the hexagons has the greatest perimeter?

Show all your workings.

A

↔ 1 cm

B

↔ 1 cm

Shape ____ has the greatest perimeter.

Draw two different rectangles with a perimeter of 14 cm.

↔ 1 cm

Work out the perimeter of the shape.

1 cm

☐

Work out the perimeter of the rectangle.

1 cm

☐
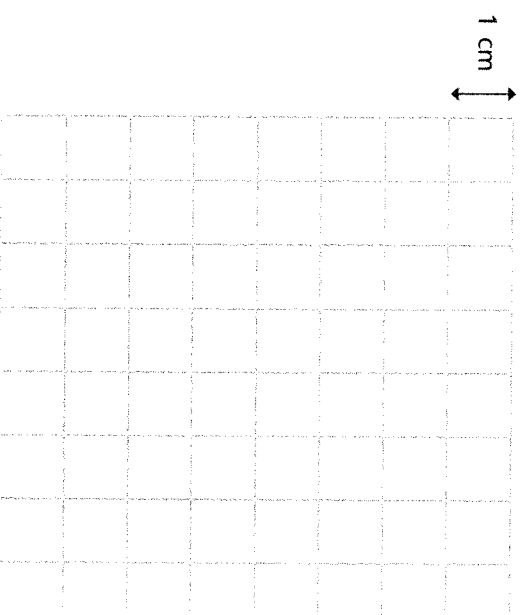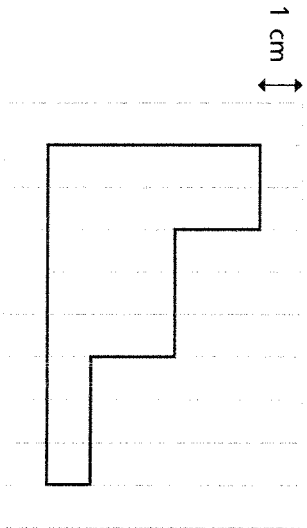
Draw two shapes with a perimeter of 20 cm.

Your shapes should **not** be rectangles.

1 cm
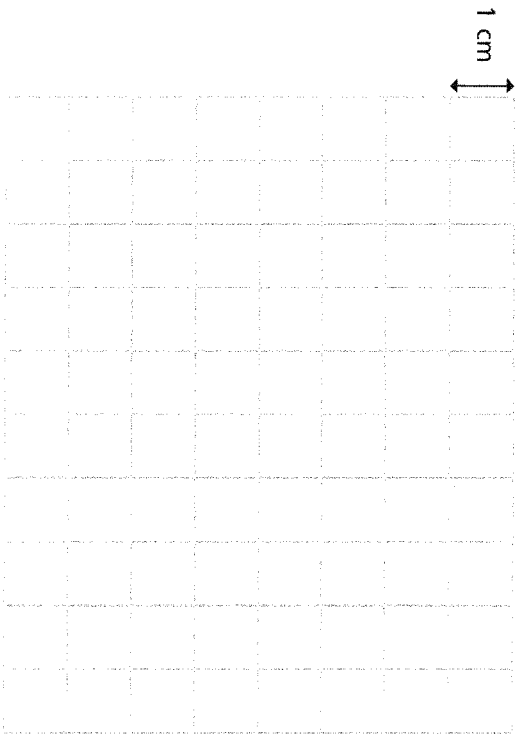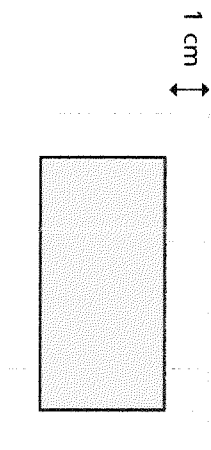
A shape is drawn on a square grid.

Part of the shape is hidden.

1 cm
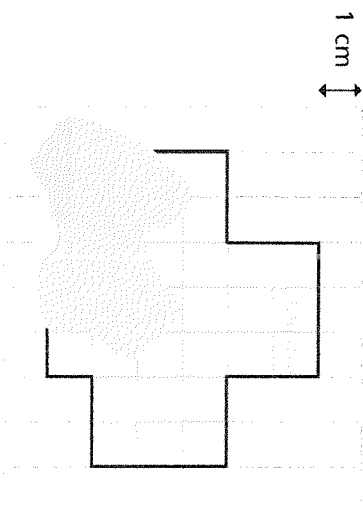
What could the perimeter of the shape be?

☐

Is there more than one answer?

☐

Work out the perimeter of each rectangle.

a)

1 cm ↔

1 cm ↕

[ ] cm + [ ] cm + [ ] cm + [ ] cm = [ ] cm

b)

1 cm ↔

1 cm ↕

[ ] cm + [ ] cm + [ ] cm + [ ] cm = [ ] cm

c)

1 cm ↔

1 cm ↕
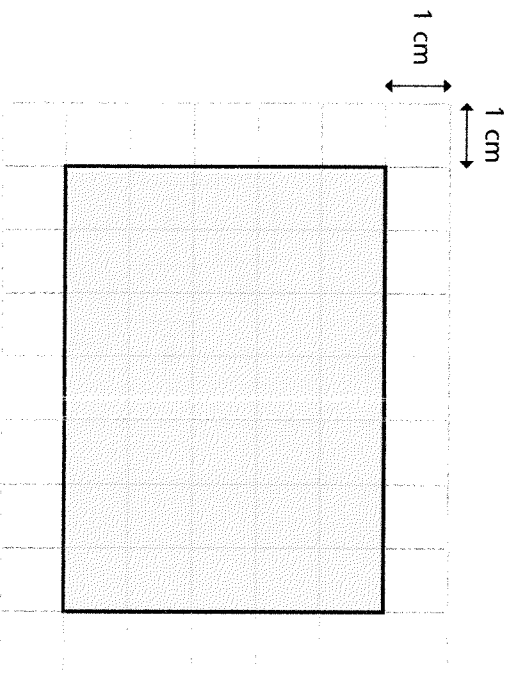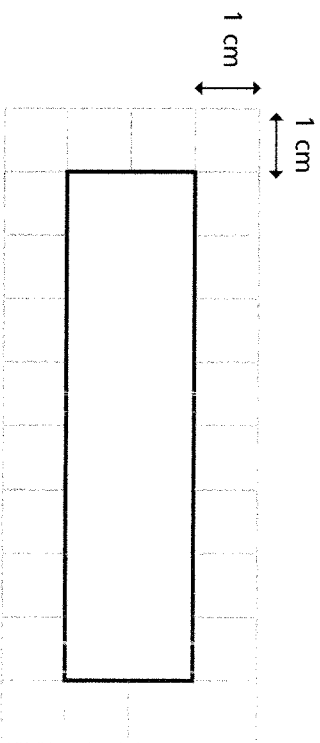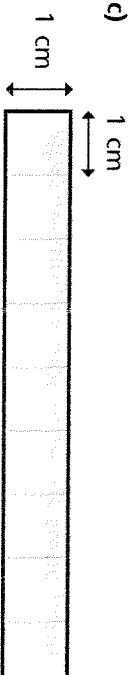
[ ] cm + [ ] cm + [ ] cm + [ ] cm = [ ] cm

Work out the perimeter of the rectangles.

a)

4 cm

7 cm   7 cm

4 cm

[ ]

b)

3 cm

12 cm

[ ]

c)

9 cm

4 cm

[ ]

d)

500 m

2 km

[ ]
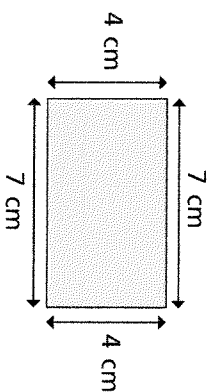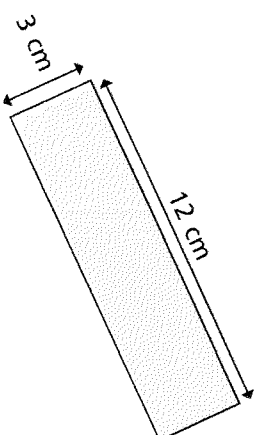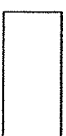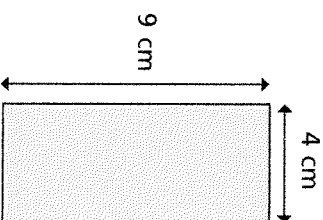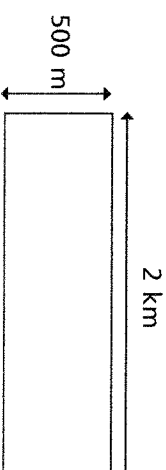
Tommy is working out the perimeter of some rectangles.

5 cm

8 cm

8 cm + 5 cm = 13 cm
13 cm × 2 = 26 cm
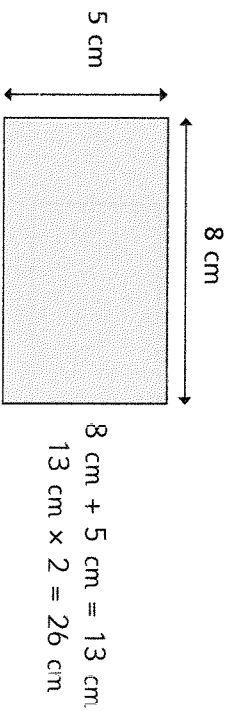
Use Tommy's method to find the perimeter of these rectangles.

a)

4 cm

5 cm

☐ cm + ☐ cm = ☐ cm

☐ cm × 2 = ☐ cm

b)

5 cm

10 cm
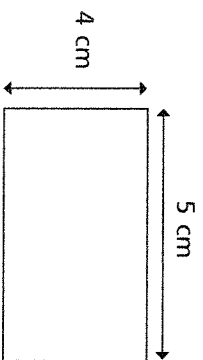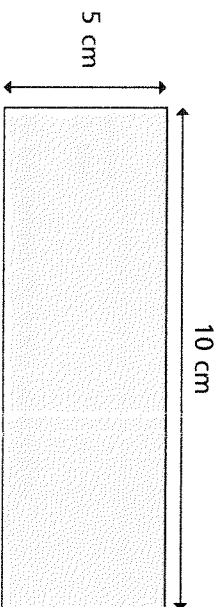
☐ cm + ☐ cm = ☐ cm

☐ cm × 2 = ☐ cm

Each lolly stick is 8 cm long.

Find the perimeter of the shape.

☐
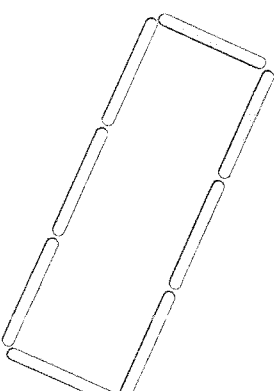
Each of these rectangles has a perimeter of 24 cm.

Work out the missing lengths and label the diagrams.

a)

☐ cm

10 cm

b)

☐ cm

9 cm

c)

5 cm

☐ cm
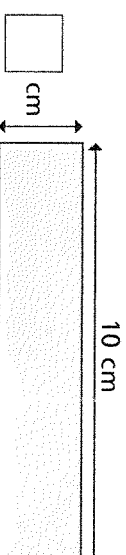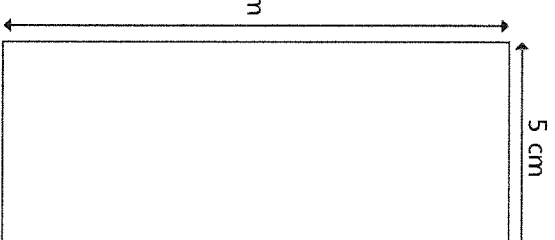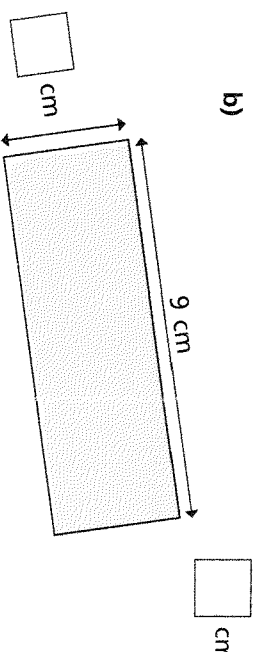
What do you notice?

Find any other rectangles that have the same perimeter.

The length of each square on the grid is 1 cm.

Work out the perimeter of the shapes.

a)
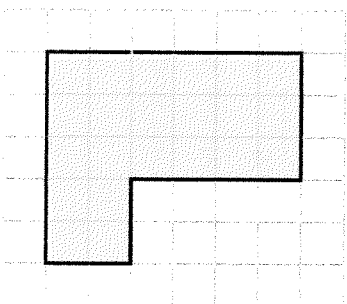
b)

Work out the perimeter of the shape.

8 cm

3 cm

3 cm

7 cm

10 cm

5 cm
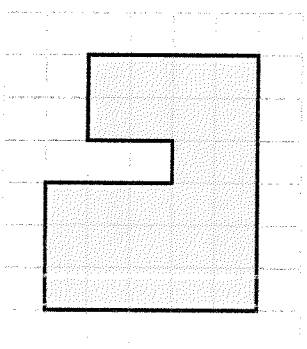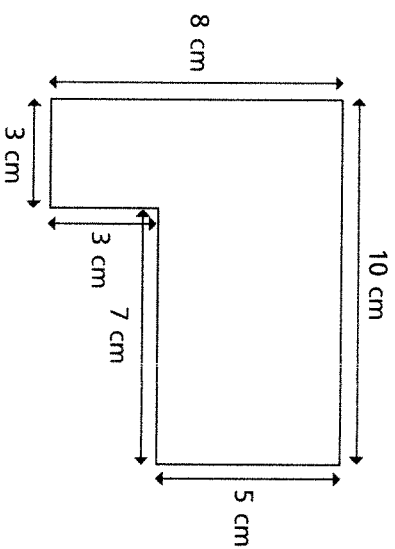
a) Work out the missing lengths and label them on the diagram.

5 cm

5 cm

cm

4 cm

8 cm

cm
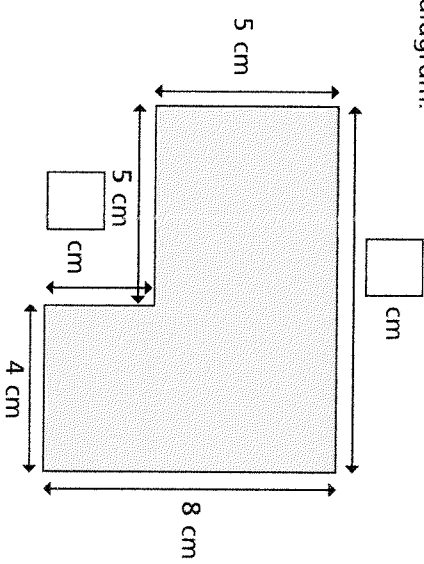
b) What is the perimeter of the shape?

Work out the perimeter of each shape.

a)

9 cm

4 cm

5 cm

3 cm

b)

3 cm

12 cm

2 cm

2 cm
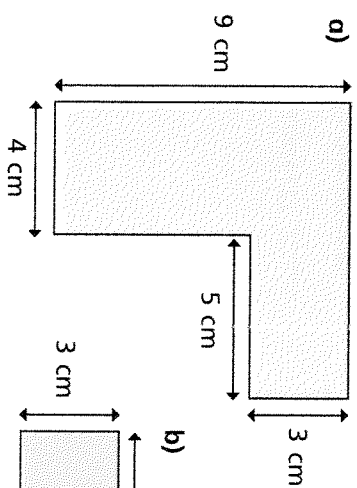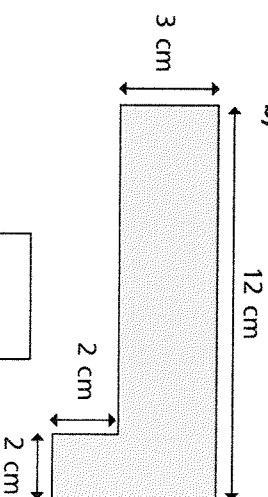
Mo puts two 5 cm by 3 cm rectangles next to each other.

3 cm

5 cm

5 cm
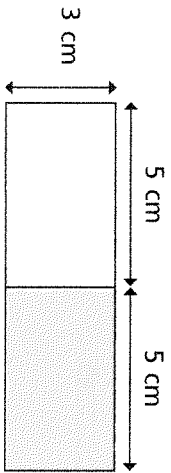
The perimeter of each small rectangle is 16 cm, so the perimeter of my larger rectangle must be 2 × 16 cm = 32 cm.

a) Is Mo correct? _____

Work out the perimeter of the larger rectangle to check your answer.

b) Mo puts the rectangles together in different ways.

Work out the perimeter of each large shape.

3 cm   3 cm

5 cm

5 cm

3 cm

5 cm

5 cm

3 cm
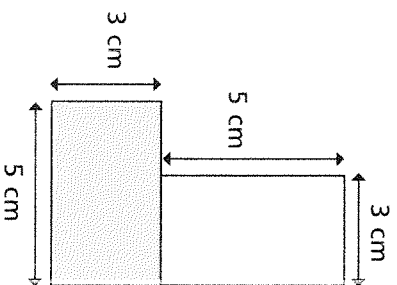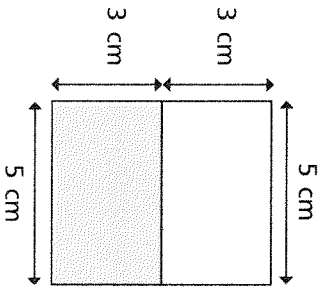
Dani thinks there isn't enough information to work out the perimeter of the shape.

10 cm

12 cm
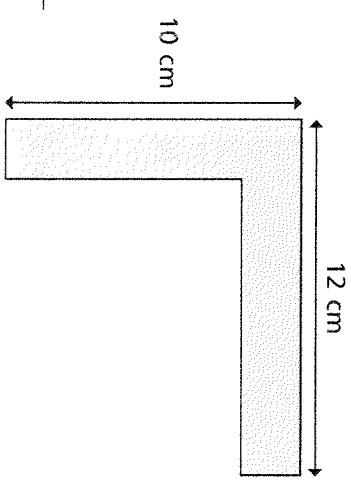
Is Dani correct? _____

Explain your answer.

A rectangular flower bed is 5 m long and 3 m wide.

The path around the flower bed is 1 m wide.

Flower bed

1 m
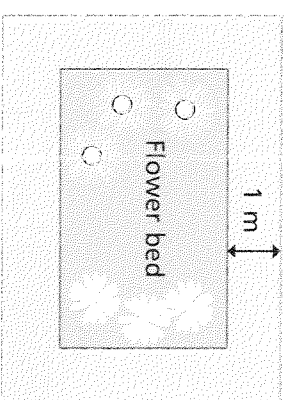
a) What is the perimeter of the flower bed?

b) What is the perimeter of the outside of the path?

Dora makes a number on a place value chart.

Th	H	T	O
(1,000) (1,000) (1,000)	◯ ◯ ◯ ◯	◯ ◯	◯ ◯ ◯ ◯ ◯ ◯

a) What number has Dora made?

b) Add 3 ones to Dora's number.
   What number do you have?

c) Add 2 tens to Dora's number.
   What number do you have now?

d) Subtract 2 hundreds from Dora's number.
   What number do you have now?

e) Add 5 thousands to Dora's number.
   What number do you have now?

Complete the calculations.
Use the place value chart to help you.

1,000s	100s	10s	1s
5	3	7	8

a) 5,378 + 200 =

b) 5,378 + 20 =

c) 5,378 + 2,000 =

d) 5,378 – 6 =

e) 5,378 – 60 =

f) 5,378 – 3,000 =

g) 300 + 5,378 =

h) 5,378 – 300 =

Complete the calculations.

a) 6,058 + 1 =

6,058 + 2 =

6,058 + 3 =

6,058 + 4 =

5 + 6,058 =

b) 6,058 + 20 =

6,058 + 30 =

6,058 + 40 =

6,058 + 50 =

60 + 6,058 =

Mo is going to add 100 to each number.
Circle the numbers where the 1,000s will change.

2,450   3,928   4,180   5,905   972

What do you notice?

Mr Hall has £1,342 in the bank.

a) Mr Hall puts in £500 more.

How much money does he have in the bank now?

Account balance: £1,342

b) Then he puts in £600 more.

How much money does Mr Hall have in the bank now?

c) Then Mr Hall takes out £60

How much money does he have in the bank now?

Is Eva correct?

If I keep taking ten away from the number 2,562 only the tens will change.

Write the missing numbers.

a) 6,951 − [ ] = 6,921 c) 1,706 + [ ] = 1,766

6,951 − [ ] = 6,881   1,706 − [ ] = 906

b) 6,421 − 700 = [ ]   d) 3,500 − [ ] = 2,700

6,421 + 700 = [ ]   3,500 − [ ] = 3,430

Which calculations were easy to work out?

Which were more difficult to work out?

To add 3,812 and 1,400 together, you can add 1,000 to 3,812 and then add 400

a) Use Ron's method to work out 3,812 + 1,400

Could you have worked this out mentally?

b) Use Ron's method to complete the calculations.

1,780 + 2,200 = [ ]

3,084 + 720 = [ ]

591 + 2,820 = [ ]

6

1 Complete the column addition.

Use base 10 to help you.

Hundreds	Tens	Ones

```
  H T O
  4 5 3
+ 1 2 5
_____
```

2 Kim uses counters and a place value chart to help her work out 362 + 205

```
  H T O
  3 6 2
+ 2 0 5
_____
```

Hundreds	Tens	Ones

a) Draw counters to complete the chart.

b) Complete the column addition.

c) Which column did you add first? Talk to a partner about your method.

3 Mrs Morgan drives 230 km on Monday.

On Tuesday she drives 169 km.

How far does she drive in total on Monday and Tuesday?

4 Complete the number line to work out the addition.

a) 711 + 140 =

```
700  711        + 100   + 40         1,000
```

b) 414 + 203 =

```
700
     +          +
```

c) 502 + 384 =

```
400  414              +    +         800
```
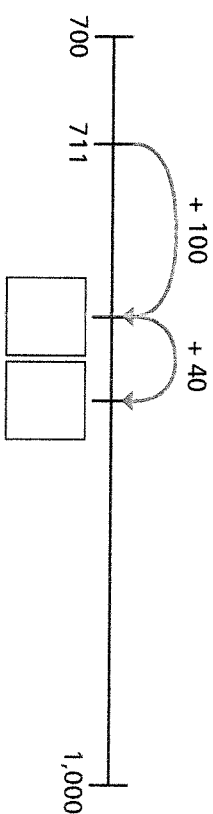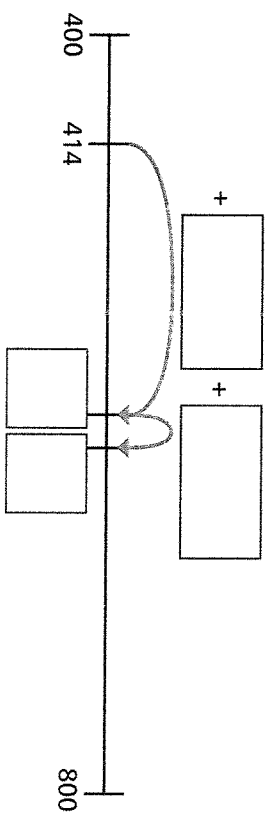
Complete the additions.

a) 736 + 203 = ☐

b) 184 + 105 = ☐

c) £391 + £505 = ☐

The table shows the number of boys and girls in two schools.

	Boys	Girls
School A	224	305
School B		400

a) The total number of children in each school is equal.

Without working it out, which school has more girls?

_____

How do you know?

b) How many girls are there in school B?

☐

Three children each work out an addition problem.

Each child uses the same six digits.

Each addition gives the same answer of 888

Each child adds two different numbers together.

Work out a possible set of addition problems.

```
  H T O
    8 8 8
+
─────────
```

```
  H T O
    8 8 8
+
─────────
```

```
  H T O
    8 8 8
+
─────────
```

Here is an addition pyramid.

Add the two numbers below to make the number above.

a) Complete the addition pyramid.

121	203	42
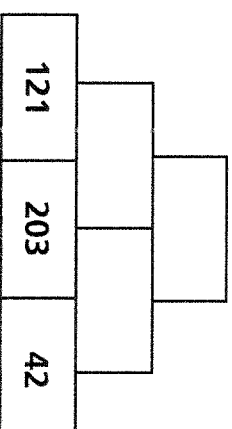
b) Complete the addition pyramid.

The total is 768

None of the additions should have an exchange.

	768	
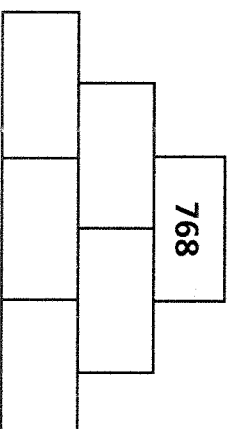
Compare answers with a partner.

Calculate 314 + 522

Use the place value chart to help you.

	H	T	O
+	○○○ ○○	○	○○○ ○○○

314 + 522 =

---

a) Calculate 3,214 + 5,122

Use the place value chart to help you.

	Th	H	T	O
+	●●● ●●	○ ○	○ ○	○○○ ○○○

3,214 + 5,122 =

b) Now calculate 3,214 + 122 in the same way.

3,214 + 122 =

c) What do you notice about your answers to part a) and part b)?

Complete the calculations.

a) 4,122 + 2,605 =

b) 3,709 + 4,160 =

c) 247 + 1,032 =

d) 3,007 + 560 =

Alex is calculating 5,702 + 125

	Th	H	T	O
	5	7	0	2
+		1	2	5
	6	9	5	2

Do you agree with Alex? _____

Explain your answer.

_____

Complete the calculation.

5,702 + 125 =

The distance from Scotland to France is 1,550 km.

The distance from France to Spain is 1,002 km.

Teddy is travelling from Scotland to France and then France to Spain.

How far will he travel in total?

[ ]

Whitney and Jack are playing a game.

Whitney has 1,323 points.

Jack has 230 points more than Whitney.

How many points do they have altogether?

[ ]

Fill in the missing digits.

Th	H	T	O
3		2	6
+	4	9	
8	7	9	6

Complete the calculation.

2,415 + 5,142 = [ ]

What do you notice about the numbers in the question?

How does this affect the answer?

_____

Think of some more calculations like this.

Try them out with a partner.

1) Complete the column addition.

a) 235 + 157

Hundreds	Tens	Ones

$$
\begin{array}{r}
\text{H T O} \\
2\ 3\ 5 \\
+\ 1\ 5\ 7 \\
\hline
\end{array}
$$

b) 372 + 144

Hundreds	Tens	Ones

$$
\begin{array}{r}
\text{H T O} \\
3\ 7\ 2 \\
+\ 1\ 4\ 4 \\
\hline
\end{array}
$$
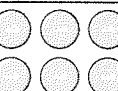
2) Tick the additions that need an exchange of ones for a ten.

$$
\begin{array}{r}
\text{H T O} \\
2\ 3\ 8 \\
+\ 1\ 4\ 1 \\
\hline
\end{array}
\qquad
\begin{array}{r}
\text{H T O} \\
4\ 2\ 7 \\
+\ 2\ 6\ 8 \\
\hline
\end{array}
\qquad
\begin{array}{r}
\text{H T O} \\
3\ 0\ 8 \\
+\ 1\ 5\ 1 \\
\hline
\end{array}
$$

How do you know if an addition needs to exchange 10 ones for a ten?

3) Dani uses counters to represent an addition.

H	T	O

a) What addition is Dani trying to work out?

b) Work out the answer to the addition.

c) How many exchanges did you have to do?

Work out the additions.

a)
```
  H T O
  1 8 7
+ 4 7 1
───────
```

b)
```
  H T O
  5 1 7 m
+ 2 3 4 m
─────────
```

c) 718 + 108

d) 526 + 294

---

a) Tick the additions with an answer that ends in zero.

| 317 + 203 ☐ | 192 + 784 ☐ | 390 + 177 ☐ |
| 455 + 165 ☐ | 386 + 184 ☐ | 319 + 501 ☐ |

b) Did you have to work out all of the additions?

c) Complete the sentences.

The answer to 175 + 212 ends with a ☐

The answer to 609 + 175 ends with a ☐

The answer to 334 + 178 ends with a ☐

The answer to 716 + ☐ ends with a 3

Fill in the missing digits.

a)
```
  H T O
  3 □ 2
+ 4 5 □
───────
  3 7
```

c)
```
  H T O
  2 7 8
+ 2 5 □
───────
    □ 0
```

b)
```
  H T O
  5 □
  1 0 9
+ □ 2 □
───────
  5 □ 5
```

d)
```
Th H T O
   5 7 3
+  □ □ □
────────
 1 0 0 0
```

Dexter bakes 148 biscuits on Monday.

On Tuesday he bakes 273 more biscuits than he did on Monday.

a) How many biscuits does Dexter bake on Tuesday?

☐

b) How many biscuits does he bake in total on Monday and Tuesday?

☐

Write two addition calculations that have:

1 exchange

2 exchanges.

☐

Compare answers with a partner.

Complete the calculations.

Use the place value charts to help you.

a) 3,117 + 2,542 = ▭
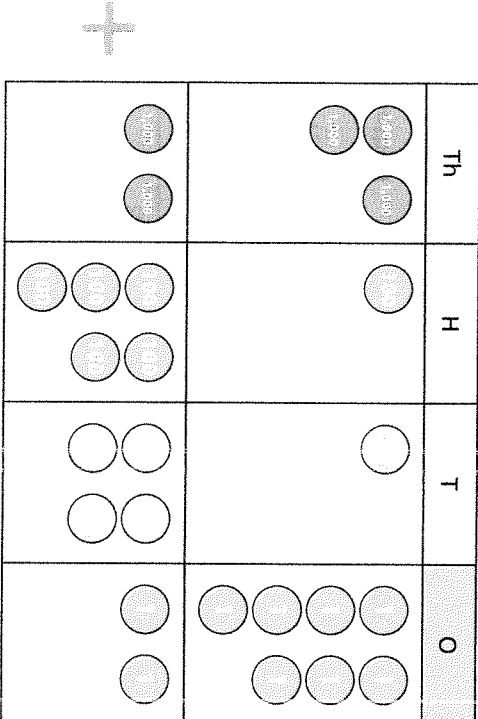
b) 3,117 + 2,544 = ▭
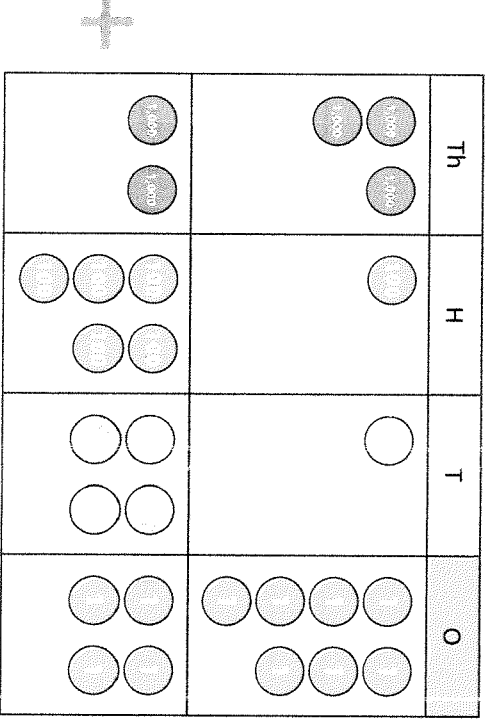
c) What do you notice about the calculations in part a) and part b)?

Which did you find easier and why?

_____

d) What happens when you have more than 10 counters in one column?

_____

Complete the calculations.

a) 4,365 + 2,617 = ▭

b) 1,907 + 5,068 = ▭

c) 6,792 + 163 = ▭

d) 3,247 + 1,930 = ▭

Complete the calculations.

a)

Th	H	T	O
5	1	6	3
+ 2	4	5	1

b)

Th	H	T	O
7	2	6	1
+ 1	0	2	9

c)

Th	H	T	O
	7	0	3
+ 2	5	8	0

d)

Th	H	T	O
3	5	0	8
+ 2	7	3	1

Four children have calculated 4,635 + 183

Rosie's method

Th	H	T	O
4	6	3	5
+	1	8	3
4	7	11	8

4,635 + 183 = 47,118

Jack's method

Th	H	T	O
4	6	3	5
+	1	8	3
4	7	1	8

4,635 + 183 = 4,718

Alex's method

Th	H	T	O
4	6	3	5
+	1	8	3
4	8	1	8

4,635 + 183 = 4,818

Teddy's method

Th	H	T	O
4	6	3	5
+	1	8	3
6	4	6	5

4,635 + 183 = 6,465

Whose method is correct? _____

Talk about the mistakes the other children have made.

Mr Robson has £2,100 to spend on a mobile phone and a laptop.

What combinations of laptops and phones can he afford to buy?

A £1,208   B £1,510   C £625   D £587

_____

_____

Fill in the missing digits.

a)

Th	H	T	O
3		4	2
+		8		6
8	7	9	1

b)

Th	H	T	O
3	8	2	1
+			
8	7	9	1

1 There are 100 centimetres (cm) in 1 metre (m).

Use the bar models to complete the sentences.

1 m	100 cm

a)

1 m	1 m	1 m

There are [ ] cm in 3 m.

b)

1 m	1 m	1 m	1 m	1 m	1 m

There are [ ] cm in 6 m.

c)

100 cm	100 cm	100 cm	100 cm	100 cm

There are 500 cm in [ ] m.

2 Complete the table to show equivalent lengths and continue the pattern.

cm	m and cm
310 cm	3 m and 10 cm
320 cm	3 m and ___ cm
330 cm	3 m and 40 cm
___ cm	3 m and 50 cm
___ cm	3 m and ___ cm
___ cm	3 m and ___ cm

3 Write the missing measurements.

[ ] cm   [ ] m [ ] cm

0 m ———————— 1 m ———————— 2 m
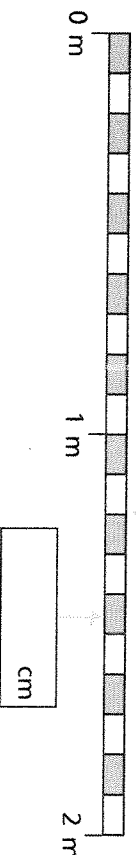
[ ] cm

Draw an arrow to show the position of each measurement.

0 m ▁▁▁▁▁▁▁▁▁▁▁▁▁▁▁▁▁▁▁▁▁ 1 m ▁▁▁▁▁▁▁▁▁▁▁▁▁▁▁▁▁▁▁▁ 2 m

A	B	C	D
20 cm	0 m 75 cm	130 cm	1 m 65 cm

Complete the bar models.

a)

160 cm	
m	cm

b)

268 cm	
m	cm

c)

4 m	10 cm
	cm

d)

2 m	5 cm
	cm
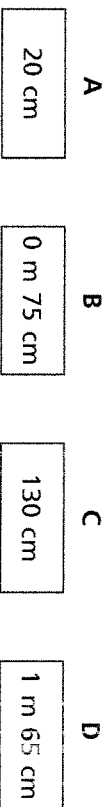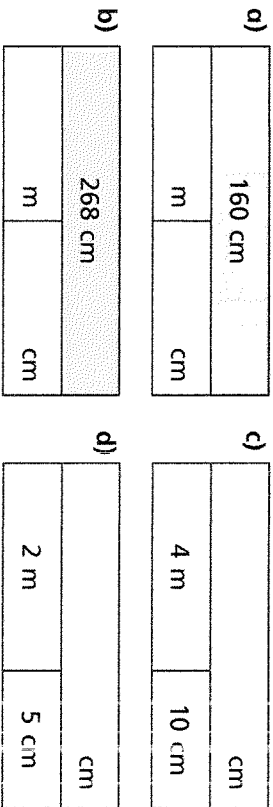
Complete the sentences.

a) 240 cm = ☐ m and ☐ cm

b) 319 cm = ☐ m and ☐ cm

c) 508 cm = ☐ m and ☐ cm

d) 2 m and 15 cm = ☐ cm

e) 8 m and 3 cm = ☐ cm

Here is Huan's sunflower.

190 cm
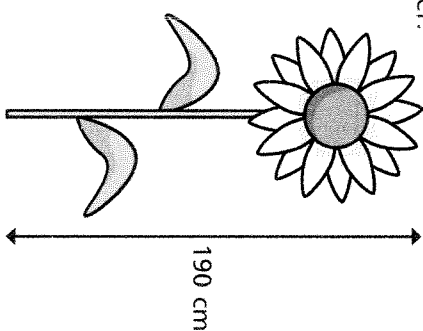
Dani's sunflower is 2 m and 30 cm.

Tom's sunflower is exactly halfway between Huan's and Dani's.

How tall is Tom's sunflower?

Write your answer in metres and centimetres.

☐ m and ☐ cm

There are 10 millimetres (mm) in 1 centimetre (cm).

Use the bar models to complete the sentences.

1 cm
10 mm

a)

1 cm	1 cm	1 cm

There are ☐ mm in 3 cm.

b)

1 cm	1 cm	1 cm	1 cm	1 cm	1 cm	1 cm

There are ☐ mm in 7 cm.

c)

10 mm	10 mm	10 mm	10 mm

There are 40 mm in ☐ cm.

Match the equivalent lengths.

1 cm 3 mm	30 mm
3 cm 1 mm	33 mm
	30 cm

| 300 mm | 13 mm | 31 mm | 3 cm 0 mm | 3 cm 3 mm |

How long are the scissors?

The scissors are ☐ cm and ☐ mm long.

The scissors are ☐ mm long.

Find three items in your classroom.

Measure them and complete the table.

One has been done for you.

Item	Length in cm and mm	Length in mm
toy car	9 cm 6 mm	96 mm

b) Kim's tower is 300 mm tall.

How many cubes does she use?

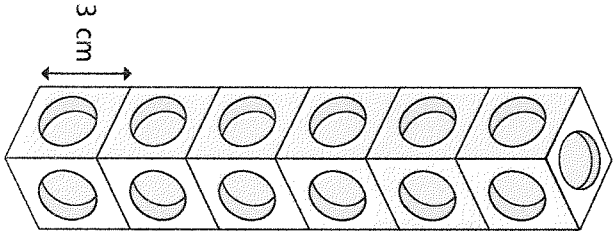Filip and Kim are building towers using cubes.
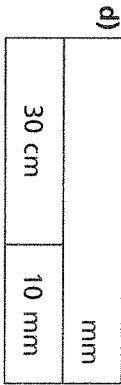
Each cube is 3 cm high.

a) Filip uses 6 cubes.

How tall is Filip's tower?
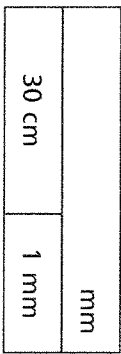
Give your answer in millimetres.

Filip's tower is [ ] mm tall.

3 cm

Kim uses [ ] cubes.

Complete the bar models.

a)

62 mm	
cm	mm

b)

4 mm	
cm	mm

c)

mm	
30 cm	1 mm

d)

30 cm	10 mm
mm	
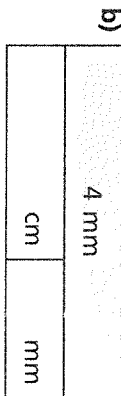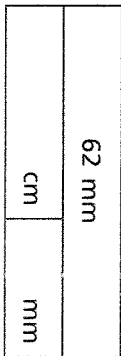
There are 1,000 metres (m) in 1 kilometre (km).

Use the bar models to complete the sentences.

1 km
1,000 m

a)

1 km	1 km

There are _____ m in 2 km.

b)

1 km	1 km	1 km

There are _____ m in 3 km.

c)

1,000 m	1,000 m	1,000 m	1,000 m	1,000 m

There are 5,000 m in _____ km.

Complete the statements.

a) 1,000 m = _____ km

b) 9,000 m = _____ km

c) _____ m = 8 km

d) _____ km = 4,000 m

e) 7 km = _____ m

f) 3 ____ = 3,000 ____

Complete the statements.

a) 6,000 m = _____ km

6,100 m = _____ km _____ m

6,200 m = _____ km _____ m

6,450 m = _____ km _____ m

b) 4,300 m = _____ km _____ m

5,300 m = _____ km _____ m

6,300 m = _____ km _____ m

c) _____ m = 2 km 600 m

3 km 200 m = _____ m

9 km 500 m = _____ m

9 km 50 m = _____ m

Complete the bar models.

a)

1 km	
m	700 m

b)

1 km		
m	300 m	400 m

c)

3 km		
800 m	1 km	m

d)

km	
2,200 m	2,800 m

e)

1 km	
m	400 m

f)

2 km	
m	1,600 m

g)

3 km		
800 m	1,200 m	km

h)

km		
900 m	3,600 m	$\frac{1}{2}$ km

Write >, < or = to make the statements correct.

a) 700 m ◯ 6 km

b) 5,000 m ◯ 5 km

c) 3 km ◯ 2 km 600 m

d) $\frac{1}{2}$ km ◯ 500 m

One morning, Filip walks 6 km.

In the afternoon, he walks another 3,800 m.

How far does Filip walk altogether?

Complete the table.

Pupil	How far they live from school (km)	How far they live from school (m)
Dani	2 km	
Scott		7,000 m
Kim	$\frac{1}{2}$ km	
Nijah		2,500 m
Teddy	$1\frac{3}{4}$ km	

Aisha lives $1\frac{1}{2}$ km away from school.

a) How many metres is that?

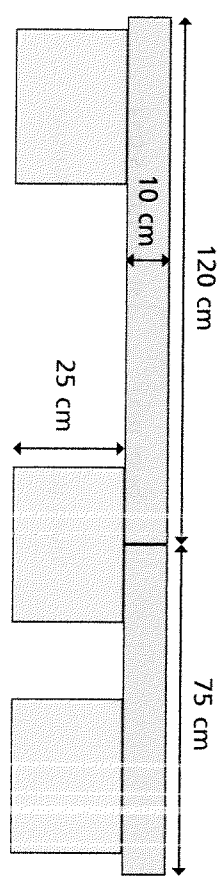She walks to and from school 5 days a week.

b) Does Aisha walk more than 10 km in a week?

Show your workings.

1 Scott builds a bridge using planks.

| 120 cm | | 25 cm | | 75 cm |

10 cm

a) What is the total length of his bridge?

☐ cm

b) What is the height of his bridge?

☐ cm

2 Complete the additions.

a) 25 cm + 75 cm = ☐ m

b) 10 cm + 50 mm = ☐ cm

c) 1 m 20 cm + ☐ cm = 2 m

d) 52 mm + ☐ mm = 6 cm

3 Brett is 115 cm tall.

His brother is 20 cm taller.

How tall is Brett's brother?

Write your answer in metres and centimetres.

☐ m and ☐ cm

4 Dora builds a tower that measures 1 m and 5 cm.

Annie builds a tower that measures 80 cm.

Dexter builds a tower that measures 95 cm.

They put their towers together to make one high tower.

How tall is their new tower?

The new tower is ☐ cm tall.

This is the same as ☐ m and ☐ cm.

Red bricks are 50 mm long.

Blue bricks are 80 mm long.

50 mm

80 mm
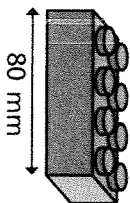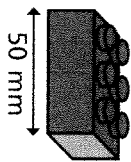
a) Whitney and Eva make patterns using the bricks.

How long is each pattern?

Give your answers in centimetres.

Whitney

Eva

Whitney's pattern is [ ] cm long.

Eva's pattern is [ ] cm long.

b) Draw some red and blue bricks to make a pattern that would be exactly 36 cm long.

Jack, Tommy and Alex took part in a hop, skip and jump competition.

Their distances are shown in the table below.

Complete the table to show the total distance each child travelled.

Name	Hop	Skip	Jump	Total
Jack	80 cm	60 cm	1 m 20 cm	
Tommy	70 cm	1 m	1 m 10 cm	
Alex	75 cm	75 cm	1 m	

Esther builds a tower using some bricks.

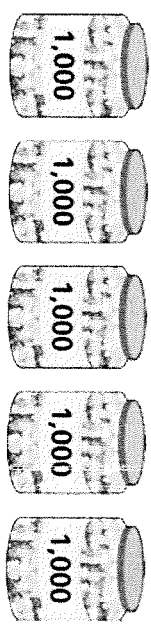Her tower is 24 cm tall.

Which bricks could she have used?

A 120 mm

B 40 mm

C 8 cm

D 6 cm
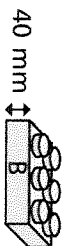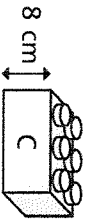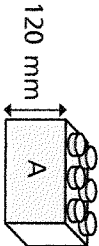
How many different answers can you find?

How many sweets are there?
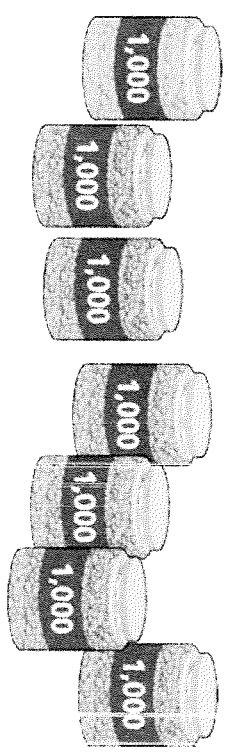
1,000 1,000 1,000 1,000 1,000

Write your answer in numerals and words.

There are [ ] sweets.

There are _____ sweets.

Class 4B are collecting pennies in jars.

Each jar contains 1,000 pennies.

1,000 1,000 1,000 1,000 1,000 1,000 1,000

How many pennies are there in total?

Write your answer in numerals and words.
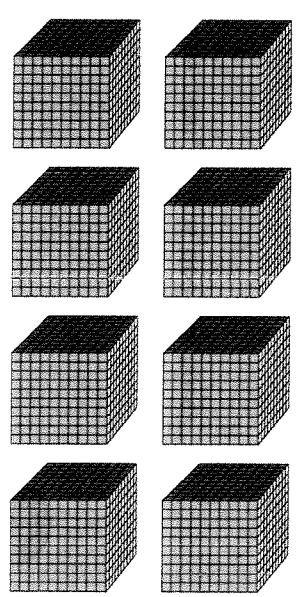
There are [ ] pennies.

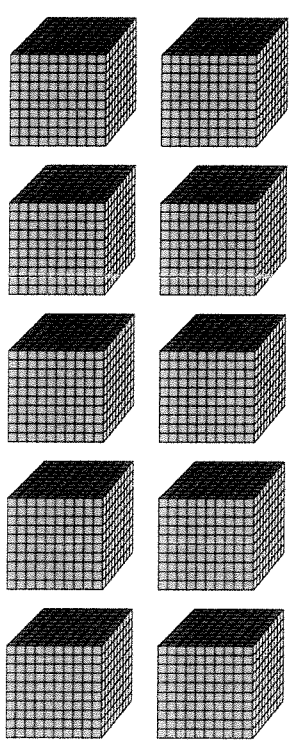There are _____ pennies.

What numbers are represented?

a)

[ ]
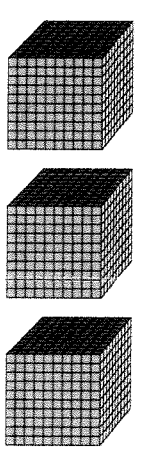
b)

[ ]

Circle 9,000

Complete the number tracks.

2,000	3,000			6,000	
9,000		7,000		5,000	

Eva starts from zero and counts up in 1,000s.

Circle all the numbers that she says.

5,000	6,000	1,500	3,999
1,000	10,000	15,000	700

How many thousands are represented?
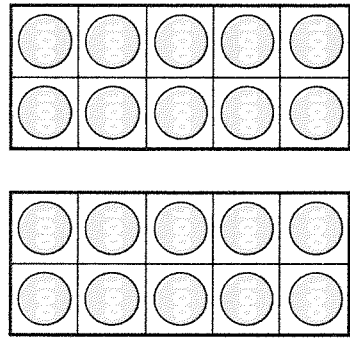
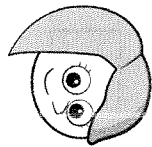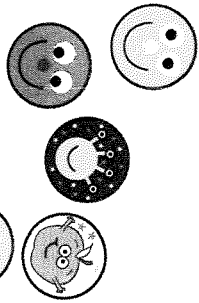Explain how you know.
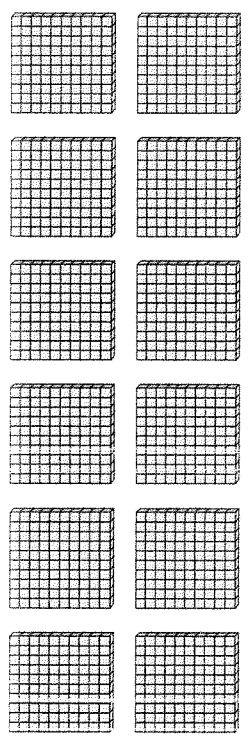
If I count in thousands from zero, I will always say an even number.

Is Rosie correct?

How do you know?

_____

_____

Dexter and Amir collect stickers.

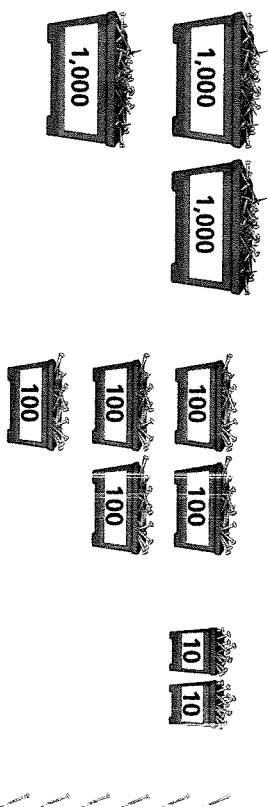Each sticker is worth 1,000 points.

a) Dexter collects 9 stickers.

How many points does he have?

b) Amir has 4 more stickers than Dexter.
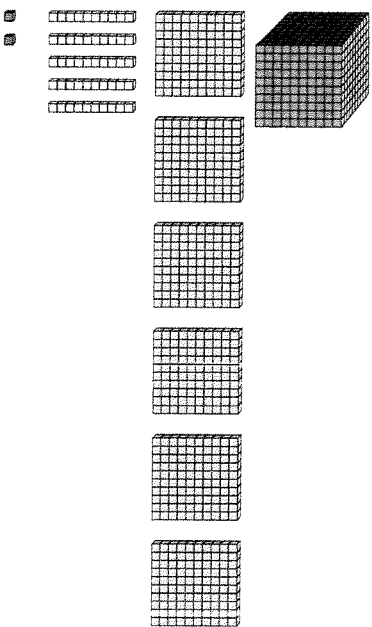
How many points does Amir have?

Circle 1,000

How many nails are there?

1,000 1,000 100 100 10
              100 100 10
              100

There are [ ] nails.

What numbers are represented?

a)

[ ]

b)

Th	H	T	O

[ ]

Mo is trying to make the number 3,250

He represents it on a place value chart.

Th	H	T	O

Is Mo correct?

How do you know?

_____

Use base 10 or place value counters to make these numbers.

a) 2,391   b) 1,050   c) 3,303

What number is represented?

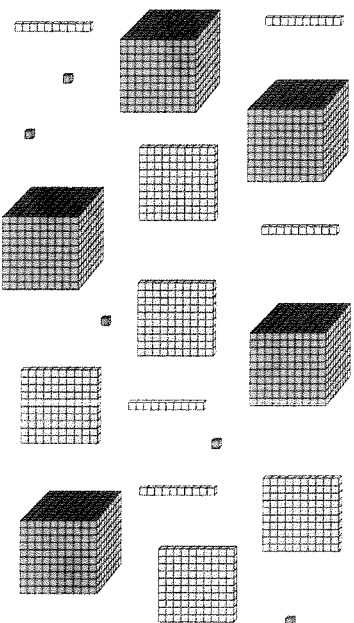| Th	H	T	O
◯ ◯	◯ ◯ ◯	◯ ◯ ◯ ◯ ◯ ◯	◯ ◯ ◯ ◯ ◯

Write your answer in numerals.

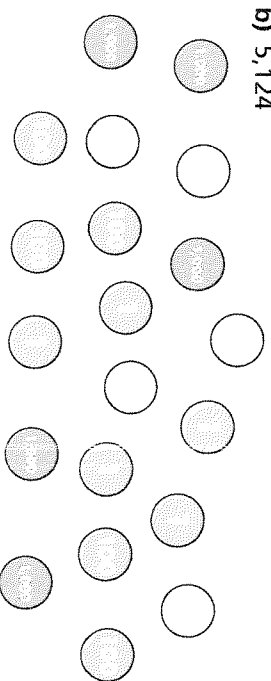Write your answer in words.

Circle the base 10 or counters to show each number.

a) 2,053

b) 5,124

Write the value of the digit in bold.

a) **7**,120 _____

b) 3,9**1**5 _____

c) 2,00**4** _____

d) **6**71 _____

e) 5,9**1**8 _____

Write a 4-digit number with 7 tens.

Write a 3-digit number with 7 tens.

Write a 2-digit number with 7 tens.

Here are some clues to a 4-digit number.

- There are 6 hundreds.
- There are more tens than ones.
- The sum of the digits is 12
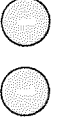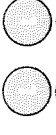
What could the number be? How many possible numbers can you find?

_____

Dora makes a number on a place value chart.

Th	H	T	O
1,000 1,000 1,000	● ● ● ●	○ ○	● ● ● ● ● ●

a) What number has Dora made?

b) Add 3 ones to Dora's number.

What number do you have?

c) Add 2 tens to Dora's number.

What number do you have now?

d) Subtract 2 hundreds from Dora's number.

What number do you have now?

e) Add 5 thousands to Dora's number.

What number do you have now?

Complete the calculations.

Use the place value chart to help you.

1,000s	100s	10s	1s
5	3	7	8

a) 5,378 + 200 =

b) 5,378 + 20 =

c) 5,378 + 2,000 =

d) 5,378 − 6 =

e) 5,378 − 60 =

f) 5,378 − 3,000 =

g) 300 + 5,378 =

h) 5,378 − 300 =

Complete the calculations.

a) 6,058 + 1 =

6,058 + 2 =

6,058 + 3 =

6,058 + 4 =

5 + 6,058 =

b) 6,058 + 20 =

6,058 + 30 =

6,058 + 40 =

6,058 + 50 =

60 + 6,058 =

Mo is going to add 100 to each number.
Circle the numbers where the 1,000s will change.

2,450   **3,928**   **4,180**   **5,905**   **972**

What do you notice?

Mr Hall has £1,342 in the bank.

a) Mr Hall puts in £500 more.

How much money does he have in the bank now?

Account balance: £1,342

b) Then he puts in £600 more.

How much money does Mr Hall have in the bank now?

c) Then Mr Hall takes out £60

How much money does he have in the bank now?

Is Eva correct?

If I keep taking ten away from the number 2,562 only the tens will change.

Write the missing numbers.

a) 6,951 − ☐ = 6,921 **c)** 1,706 + ☐ = 1,766

6,951 − ☐ = 6,881   1,706 − ☐ = 906

b) 6,421 − 700 = ☐   **d)** 3,500 − ☐ = 2,700

6,421 + 700 = ☐   3,500 − ☐ = 3,430

Which calculations were easy to work out?

Which were more difficult to work out?

To add 3,812 and 1,400 together, you can add 1,000 to 3,812 and then add 400

a) Use Ron's method to work out 3,812 + 1,400

Could you have worked this out mentally?

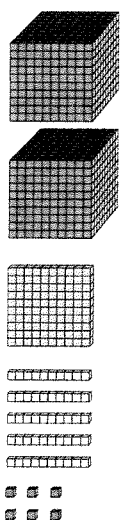**b)** Use Ron's method to complete the calculations.
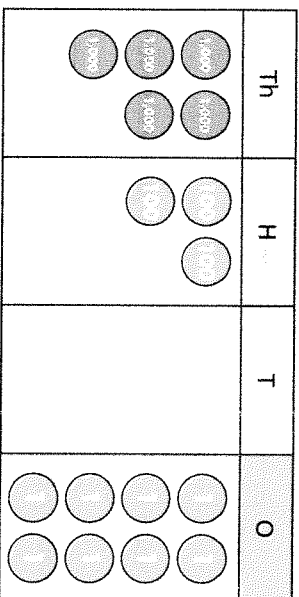
1,780 + 2,200 = ☐

3,084 + 720 = ☐

591 + 2,820 = ☐

Complete the number sentences.

a)

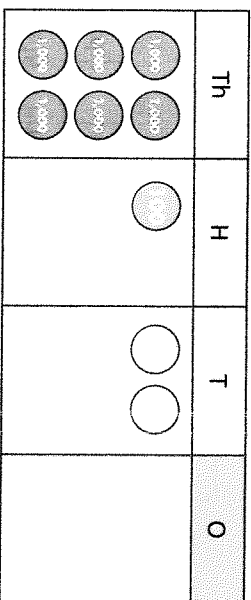2,156 = 2,000 + [ ] + [ ] + [ ]

b)

Th	H	T	O

5,308 = [ ] + [ ] + [ ]

c)

Th	H	T	O

[ ] + [ ] + [ ] + [ ] = [ ]
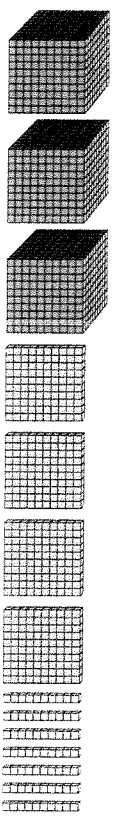
Complete the number sentences.

3,472 = 3,000 + [ ] + [ ] + [ ]

3,472 = 2,000 + [ ] + [ ] + [ ]

3,472 = 1,000 + [ ] + [ ] + [ ]

Complete the part-whole models.

a)

2,650

b)

7,039
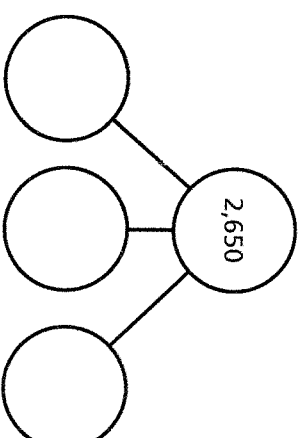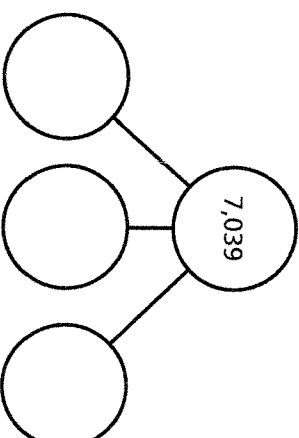
Complete the sentences.

a) 2,348 is equal to 2 thousands, ☐ hundreds, ☐ tens

and ☐ ones.

b) 5,072 is equal to ☐ thousands, ☐ hundreds, ☐ tens

and ☐ ones.

c) ☐ is equal to 2 thousands, 7 hundreds and 6 tens.

d) ☐ is equal to 8 thousands and 2 ones.

e) 54 ones is equal to ☐ tens and ☐ ones.

f) 28 tens is equal to ☐ hundreds ☐ tens.

Complete the number sentences.

a) 2,909 = 2,000 + 900 + ☐

2,909 = 2,900 + ☐

2,909 = 1,000 + 900 + ☐

b) 7,156 = 7,000 + 100 + ☐

7,156 = 56 + ☐

7,156 = 6 + ☐

Explain why 20 hundreds is equal to 2,000

_____

Alex has 4 digit cards.

| 1 | 2 | 7 | 9 |

She makes a 4-digit number.

Her number has 7 thousands and 1 ten.

What numbers could Alex have made?

_____

Jack has some number cards.

A	B	C	D
46 hundreds	4,000 + 600	3 thousands and 16 hundreds	460 ones

a) Which number card is not equal to the others?   Card ___

b) Write another number card that is equal to Card B.

_____