Year 6 Maths Home Learning

Week five includes:

- 5 a day – one for each school day (set a timer for between 3 and 5 minutes)
- Maths I do you do – read the power point about area and perimeter (40 minutes)
- Practice questions (60 minutes)
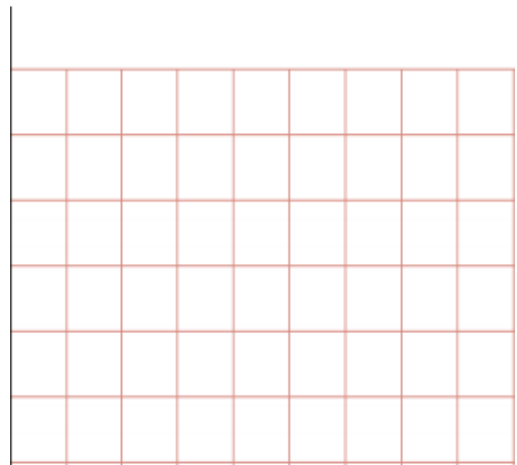- Evidence questions (60 minutes)

5 A Day   Week 5   Day 1

1) 543 + 200
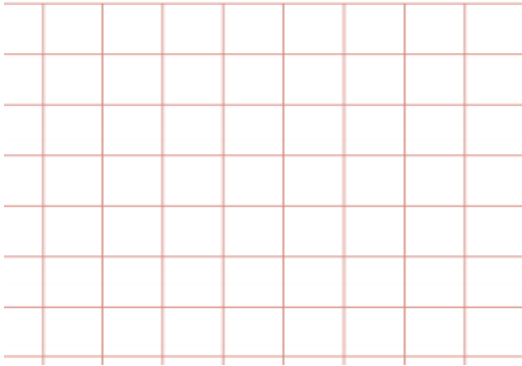
2) 372 – 8

3) 341 x 7
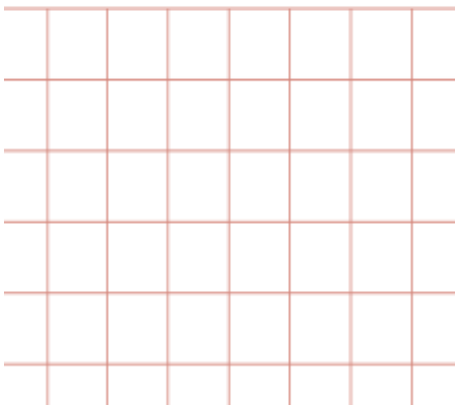
4) 321.32 – 67.6

5) 4/7 + 2/7

5 A Day   Week 5   Day 2

$$
\begin{array}{ccccc}
 & & 2 & 1 & 3 \\
\times & & & 1 & 5 \\
\hline
\end{array}
$$

25% of 400

356 ÷ 5

2/3 × 5

$$
16 \overline{)2\ 1\ 3\ 5}
$$

5 A Day   Week 5   Day 3

1) 4733 + 728

2) 5000 - 2728

3) 456 × 9

4) 647.5 + 34.67

5) 2/5 + 7/10

5 A Day   Week 5   Day 4

```
  3 4 5
×     2 1
```

3/5 of 180

718 ÷ 7

1/3 × 1/5

```
1 3 | 4 3 6 1
```

5 A Day   Week 5   Day 5

1) 914 + 300

2) 70 × 80

3) 1/5 ÷ 4

4) 5432 + 82702

5) 4/5 – 2/5

P1—Find the Perimeter

3cm

2cm

5cm

4cm

10cm

6cm

8cm

2cm

4cm

9cm

4cm

1cm

3cm

4cm

4cm

4cm

P2—Find the Area

3cm

5cm

4cm a

6cm b
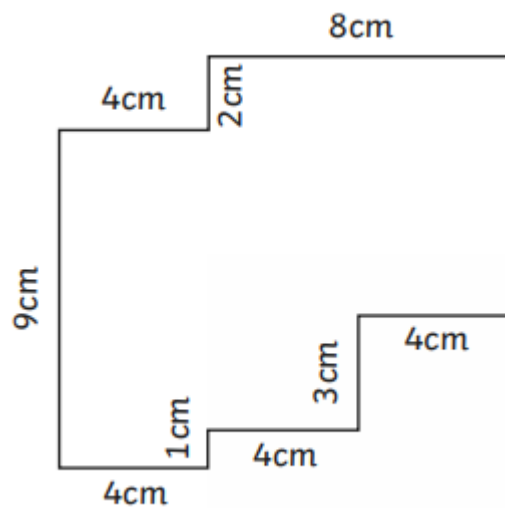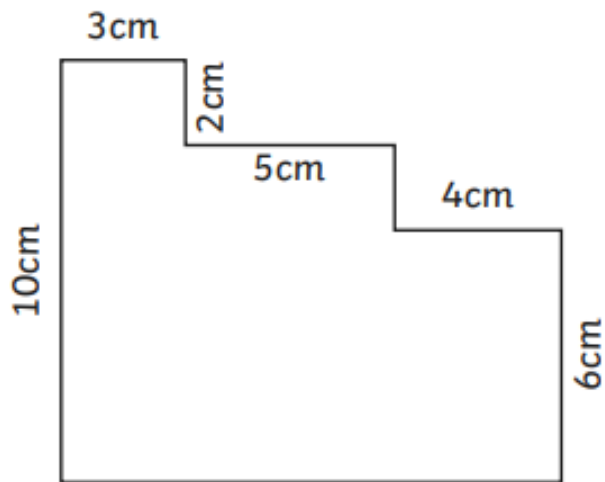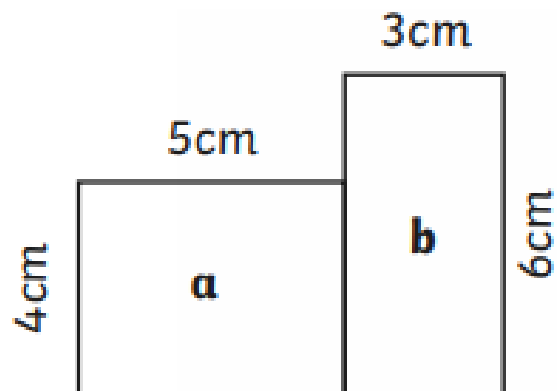
Area a: _____ cm^2

Area b: _____ cm^2 Total: _____ cm^2

9cm

6cm

3cm

4cm

Total: _____

P3

9cm

21cm

Area =

12cm

25cm

Area =

7cm

16cm

Area =

P4

8cm

25cm

Area =

7cm

14cm

Area =

6cm

Area = 42cm²
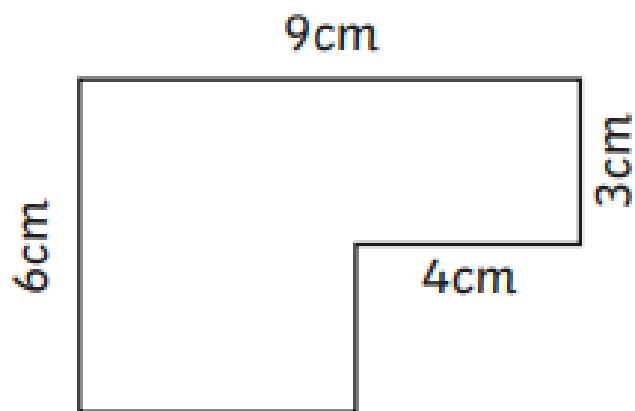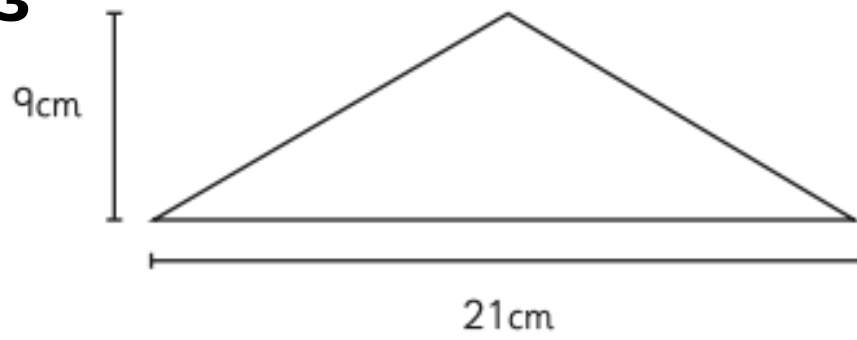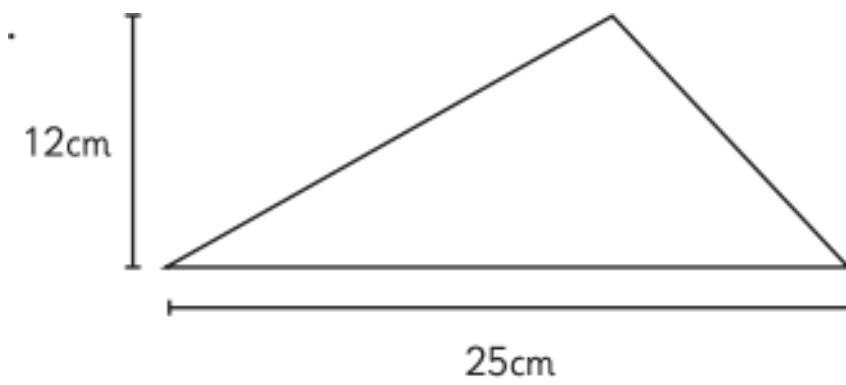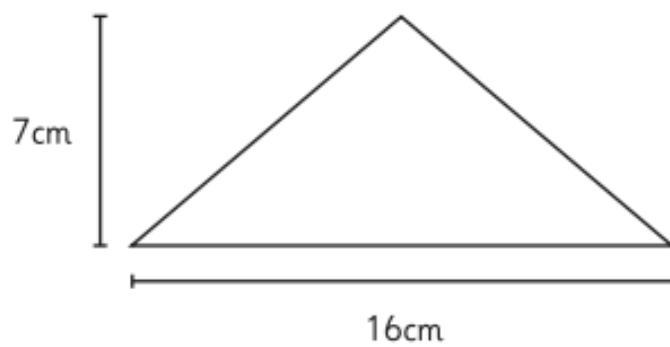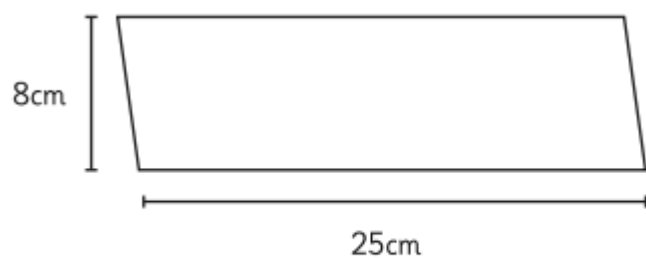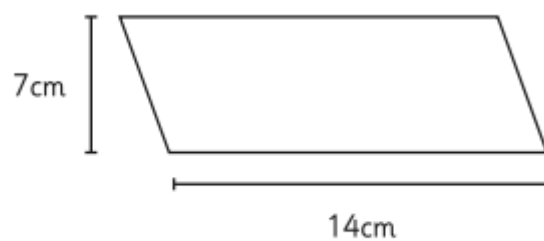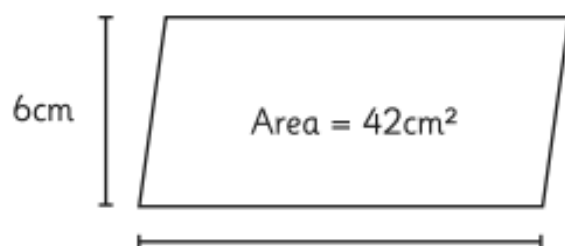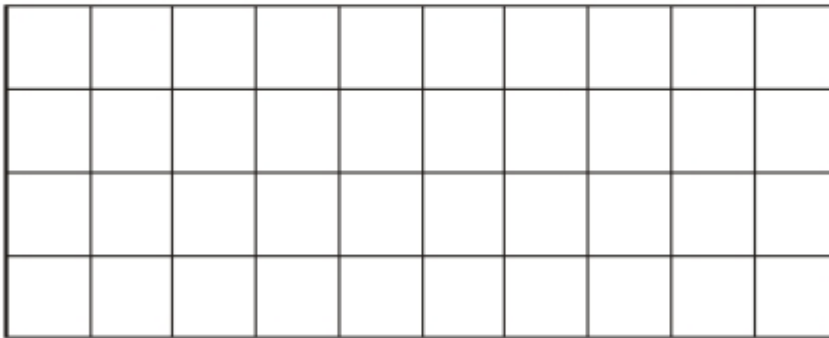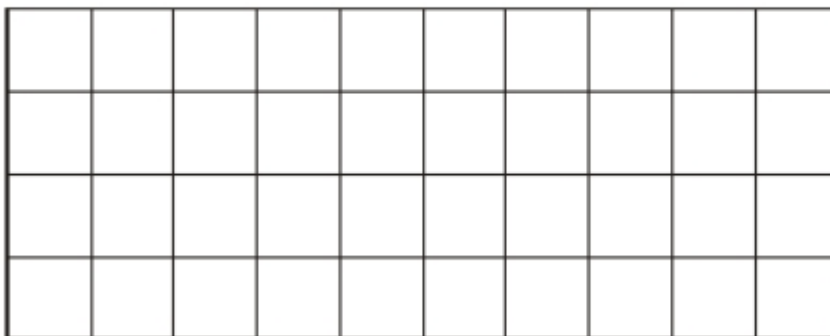
Base =

Evidence questions

ARE 1

Here is a centimetre square grid.

On the grid draw a **shape** which has an **area** of **10** square centimetres.

On the grid below draw a **rectangle** which has a **perimeter** of **10** centimetres.

ARE 2

The perimeter of the rectangle is 50 centimetres.
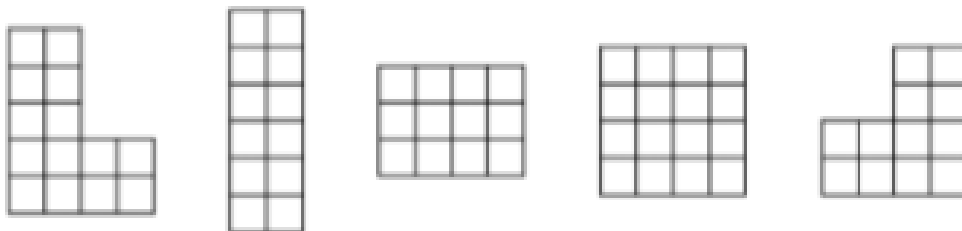

7 cm

length

Not actual size

Calculate the length of the rectangle.

ARE 3

Sort the shapes into the Carroll diagram.

	Quadrilateral	Not a quadrilateral
Area of 12 cm²		
Area of 16 cm²		

ARE 4

Here are some shapes on a 1cm square grid.
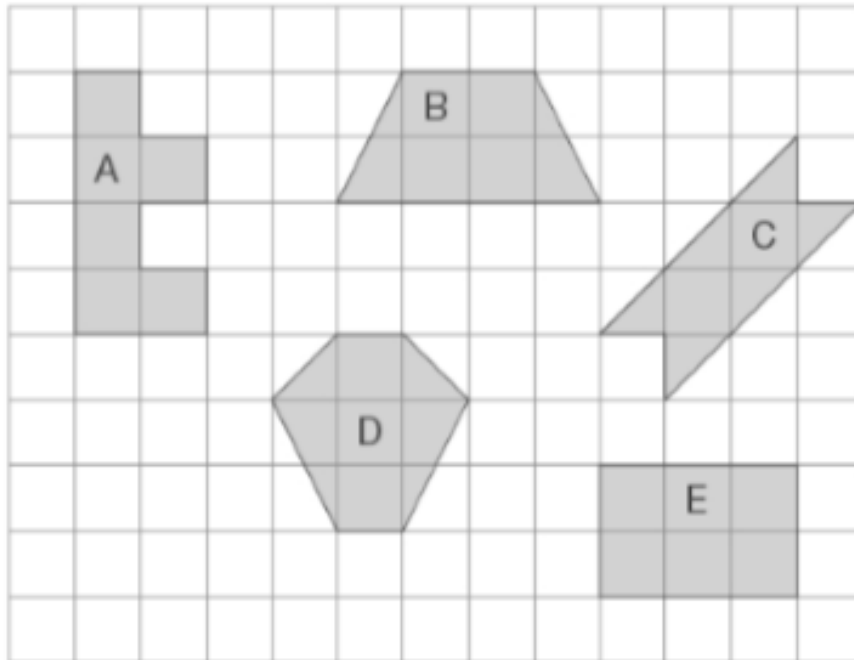
What is the **perimeter** of shape A?

Write the letter of the shape that has the **smallest area**.

ARE 5

The area of a rectangle is 16 cm^2.

One of the sides is 2 cm long

What is the perimeter of the rectangle?

ARE 6

What is the **perimeter** of a square with an area of 64 cm²?

cm

Now give an example of another rectangle with an area of 64 cm² but a different perimeter.

length =

width =