Maths
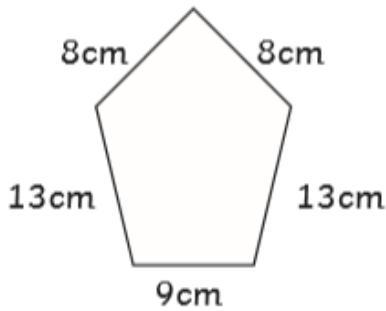
Week 2 – This week we're looking at perimeter and area. If you can't remember how to do this, ask a grown up if you can have a look on BBC Bitesize.
Day 1

Calculate the perimeter of each of these shapes. Write the answer inside the shape. Always check the units of measure and remember that these drawings are not to scale!
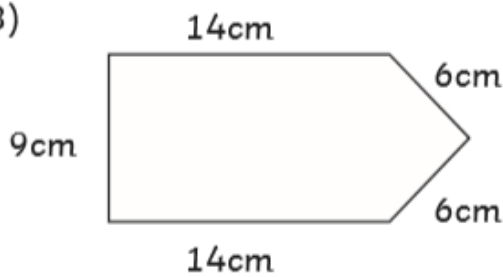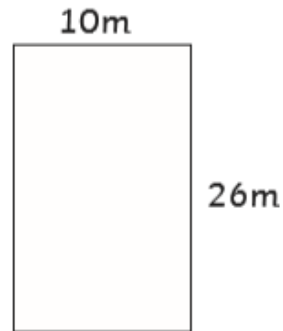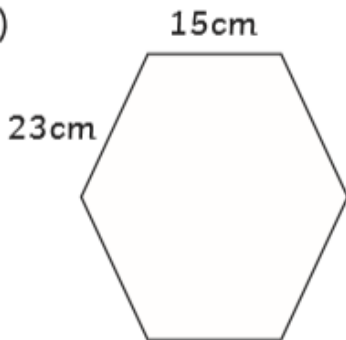
1)

8cm   8cm

13cm   13cm

9cm

2)

23m

12m

3)

14cm

9cm   6cm

6cm

14cm

4)

10m

26m

5)

15cm

23cm

6)

18cm
all sides are equal

7)

11cm

15cm   15cm

18cm
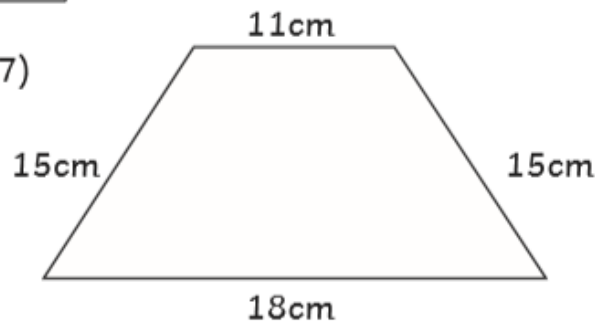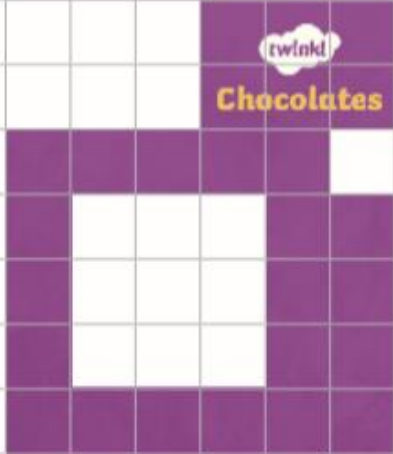
Day 2

Find the area of the chocolate boxes and record your answers

1. **Chocolates**

Area =

2. Area =

Chocolates

3. **Chocolates**

Area =

4. **Chocolates**

5. **Chocolates**

Area =

Day 3 – Have a go at these puzzles.

Sami is calculating the perimeters of different shapes.

1) Look at his calculations. Which are correct? Can you explain why? Can you explain the mistakes and find the correct answers?

4cm

3cm

4cm × 2 = 8cm

2m

8m

2 × 8 = 16m

10cm

5cm

10cm + 5cm = 15cm

15cm × 2 = 30cm

_____

_____

_____

_____

_____

_____

_____

1) a) Luca has been comparing the areas of rectilinear shapes but 1 shape is missing. Can you work out what its area could be and draw what the missing shape could look like?

<   <

b) Draw another 6 different possible answers.

Day 4 – Have a go at these word puzzles. You may need some help from a grown up. Remember to read the puzzle carefully, underline the important information and decide what calculation you'll need.

Perimeter Word Problems

1. A farmer wants to put a fence around a piece of land to keep his sheep away from his cows. One side of the fence is 12m, the second side is 11m and the third side is 13m. What is the total perimeter of the fence?

   _____
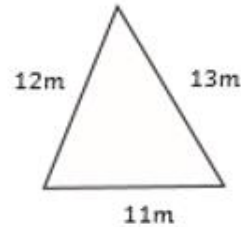
2. Oliver wants to measure the perimeter of his bedroom. His bedroom floor is an exact square and one side measures 4m. What is the perimeter of Oliver's room?

   _____

3. Andy has baked a rectangular cake and wants to place a ribbon around the perimeter of the cake. He uses a ruler to measure each side and he writes down the measurements of 24cm, 14cm, 24cm and 14cm. How much ribbon does he need to go all the way around the cake?
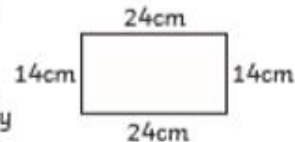
Area Word Problems

1. Each table in a classroom is 110cm long and 55cm wide. What is the area of each table in square centimetres and square metres?

   _____

   a) There are 16 tables in a classroom. What is the total area of the tables in the classroom in square metres?

   _____

2. An artificial football pitch is 92 metres long and 41 metres wide. There is a border of grass all around the edge of the pitch that is 2 metres wide. What is the area of the whole artificial surface?

   _____

   a) If the cost of the pitch is £38 per square metre, what is the cost of installing the pitch?

   _____

3. A bedroom is 3.5m long and 2.4m wide and 2.1m high. Ignoring the door and window, what is the total area of the walls in the bedroom?

Day 5 – Instead of a Friday tables test, try the ultimate challenge. Do this each week, ask someone to time you and see how you improve.

Ultimate Times Table Challenge

Name: **Number Correct:**

Time: **Previous Score:**

1 × 1 =	11 × 12 =	10 × 12 =	3 × 5 =	1 × 9 =	7 × 1 =
1 × 5 =	1 × 2 =	2 × 5 =	4 × 1 =	2 × 9 =	4 × 5 =
3 × 1 =	3 × 3 =	9 × 12 =	3 × 7 =	6 × 1 =	3 × 11 =
1 × 4 =	4 × 3 =	1 × 3 =	11 × 7 =	4 × 9 =	3 × 9 =
5 × 1 =	8 × 9 =	5 × 5 =	8 × 12 =	2 × 7 =	5 × 11 =
10 × 3 =	6 × 3 =	1 × 11 =	2 × 11 =	11 × 11 =	1 × 7 =
5 × 3 =	9 × 7 =	7 × 5 =	7 × 7 =	7 × 9 =	10 × 5 =
8 × 1 =	10 × 1 =	5 × 7 =	6 × 5 =	3 × 8 =	8 × 11 =
9 × 1 =	9 × 3 =	3 × 10 =	9 × 9 =	4 × 7 =	8 × 7 =
11 × 9 =	6 × 8 =	6 × 11 =	10 × 7 =	10 × 9 =	10 × 11 =
11 × 1 =	11 × 3 =	11 × 5 =	2 × 3 =	4 × 11 =	8 × 5 =
12 × 5 =	12 × 12 =	5 × 4 =	12 × 7 =	12 × 9 =	12 × 11 =
2 × 1 =	8 × 3 =	6 × 7 =	1 × 12 =	1 × 10 =	7 × 3 =
2 × 2 =	9 × 11 =	2 × 6 =	2 × 8 =	2 × 12 =	7 × 6 =
11 × 4 =	3 × 4 =	5 × 9 =	12 × 2 =	2 × 4 =	1 × 6 =
4 × 2 =	4 × 4 =	4 × 6 =	6 × 9 =	4 × 10 =	9 × 5 =
5 × 2 =	10 × 2 =	12 × 1 =	5 × 8 =	3 × 6 =	7 × 11 =
7 × 4 =	6 × 4 =	6 × 6 =	12 × 3 =	6 × 2 =	8 × 4 =
7 × 2 =	9 × 2 =	2 × 10 =	5 × 10 =	1 × 8 =	5 × 6 =
7 × 8 =	6 × 10 =	12 × 10 =	12 × 4 =	8 × 10 =	8 × 2 =
10 × 4 =	9 × 4 =	3 × 12 =	9 × 8 =	12 × 8 =	8 × 6 =
11 × 6 =	9 × 6 =	10 × 6 =	3 × 2 =	4 × 12 =	9 × 10 =
11 × 2 =	6 × 12 =	5 × 12 =	11 × 8 =	11 × 10 =	8 × 8 =
7 × 12 =	10 × 10 =	12 × 6 =	7 × 10 =	4 × 8 =	10 × 8 =