

Year 5/6

Maths

Homework

Autumn 2 2016

This booklet contains the next four weeks

Maths homework for this half term.

Each week your teacher will talk you through the relevant task for that week.

Please complete each task in your homework book. This booklet should therefore remain at home which will

ensure it is not lost.

Week 1: Maths homework due in 7th November 2016

BRONZE

Convert these measurements.

$$402 \text{ cm} = \quad \text{m}$$

$$1.5 \text{ km} = \quad \text{m}$$

$$83 \text{ mm} = \quad \text{cm}$$

$$6.2 \text{ km} = \quad \text{m}$$

$$2.05 \text{ litres} = \quad \text{ml}$$

SILVER

1. MATHS WITH MEASURES

I have a 2m piece of ribbon and use 50 cm of it to make a card. How much ribbon do I have left?



2. MATHS WITH MEASURES

Show your working out.
How many 25mm slices of rock can be made from one 10cm piece of rock?



3. MATHS WITH MEASURES

Imperial measurements: **oz and inches**
Metric measurements: **grams and millimetres**



1 oz = 30g
1 inch = 25mm

What are the metric measurements of these?

- a) 6 oz
- b) 2 oz
- c) 12 oz
- d) 4 inches
- e) 3 inches

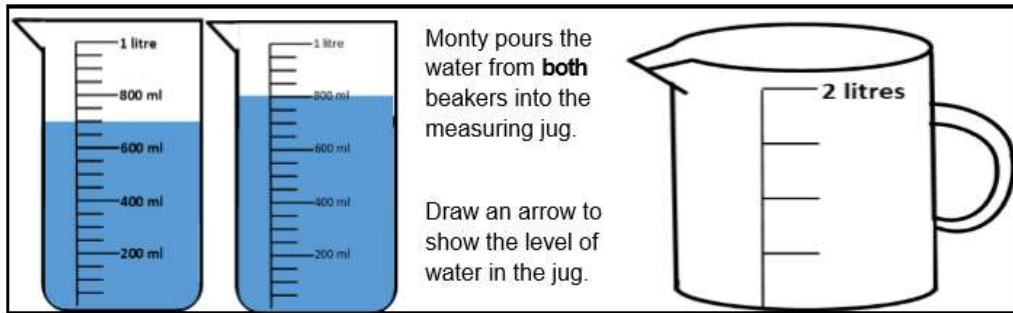


4. MATHS WITH MEASURES

I have a 8kg bag of potatoes, but dropped half of them on the way home.
How many kilograms of potatoes do I have left?




GOLD



Monty pours the water from **both** beakers into the measuring jug.

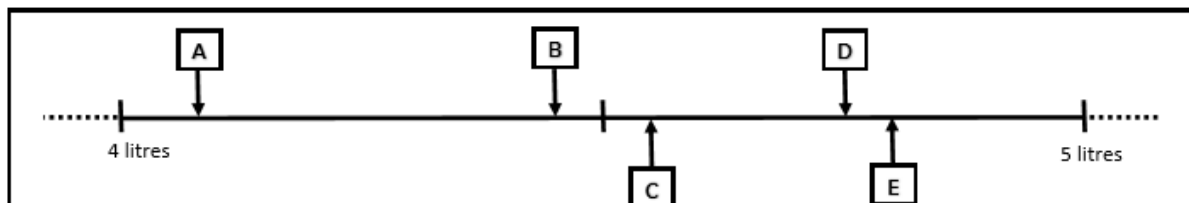

Draw an arrow to show the level of water in the jug.

A beaker holds 250ml of water.



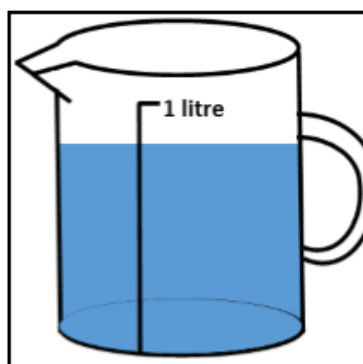
How many beakers of water are needed to fill an empty bucket?

A bucket holds 3 litres of water.



Match each capacity with one of the measures below.

$4 \frac{3}{4} \text{ l}$ 4.55 l 4450 ml 4080 ml 4.8 l



Estimate how much water is in the ml

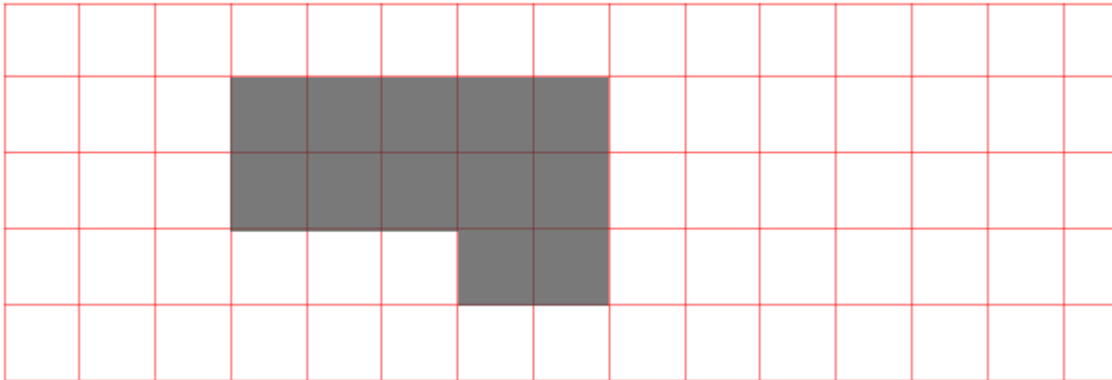
How much **more** water needs to be added to make 1 litre? ml

Week 2: Maths homework due in 14th November 2016

Perimeter and area.

BRONZE

This shape is drawn on a 1 cm square grid.



Find the area of this shape.

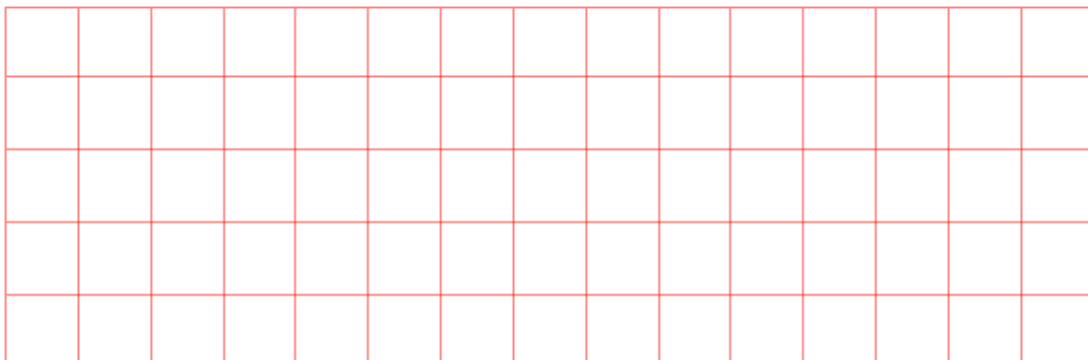
square cm

Find the perimeter of this shape.

cm

Draw a shape with a perimeter of 14 cm.

Use a ruler.



SILVER

This rectangle has a perimeter of 18cm. The length of the rectangle is 6.5cm.



Calculate the **height** of the rectangle.

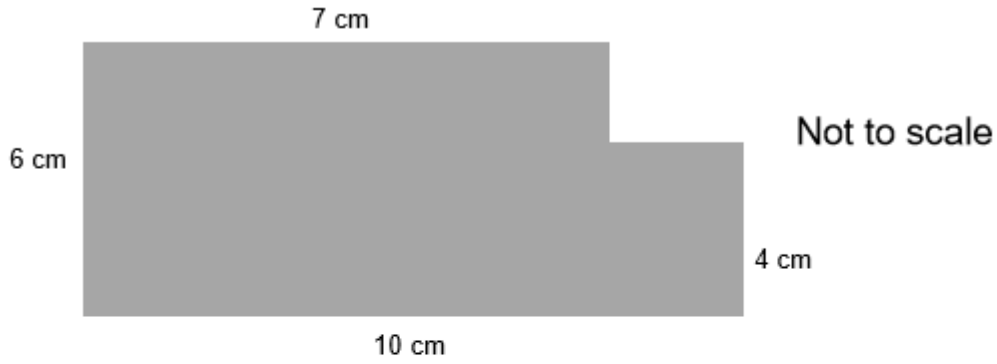
cm

The area of this rectangle is 22 square centimetres.



Calculate the **perimeter** of the rectangle.

cm

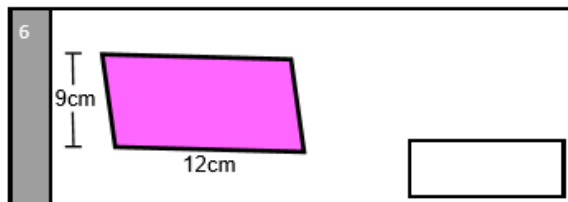
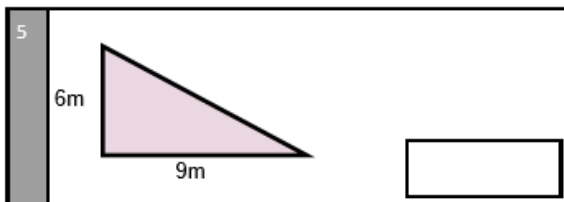
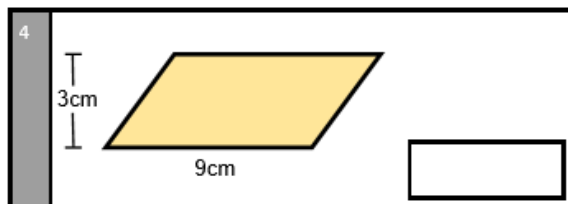
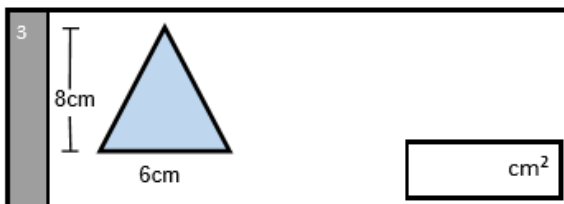
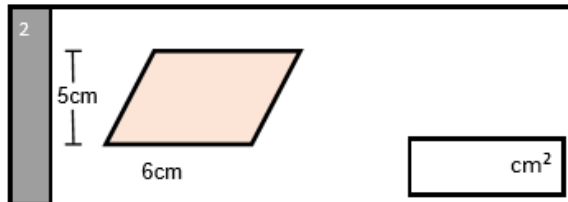
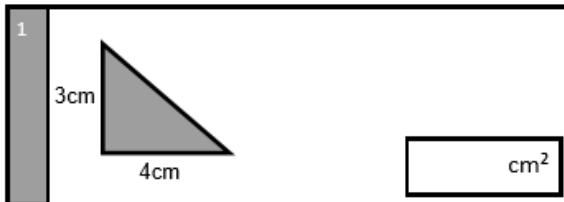


Calculate the **perimeter** of this shape.

 cm

GOLD

Find the area of these shapes (not drawn to scale).

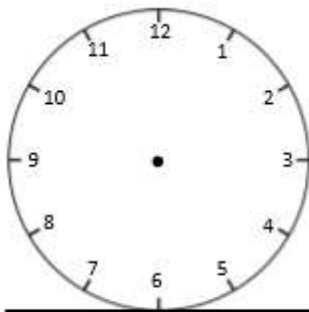


Week 3: Maths homework due in 21st November 2016

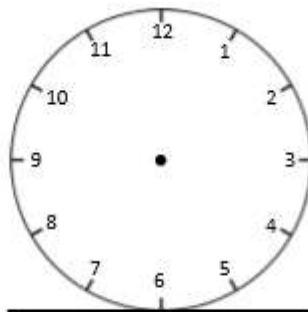
Time

BRONZE

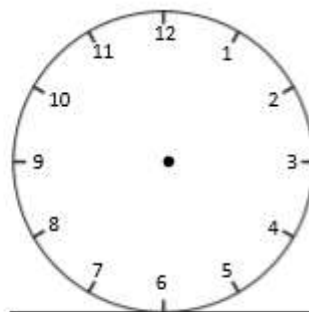
Draw the hands to show the time.



half past eight

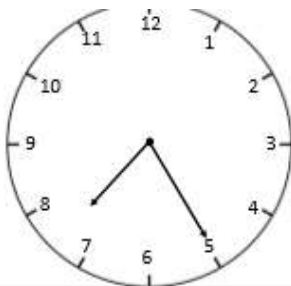


ten o'clock



half past four

Write the time in words.



SILVER

1. Sarah got up at 7:00. She had to catch the 7:50 bus. How long did she have to get ready?
2. Tom got the 8:00 bus and arrived at school at 8:33. How long did it take him to get there?
3. Jenny starts school at 8.55 am. It takes her 25 minutes to walk to school. What is the latest time she can set off?
4. Sarah got off the bus at 8.25. She had been on the bus for 15 minutes. What time did she get on the bus?
5. The doctor started work at 06:00. His shift finished at 4:00. Then he started his next shift at 8:30. How long after he finished his first shift until his second one started?

GOLD

Bus timetables

This is the timetable of buses from Blackmore to Donnerton, and the timetable of 'London Flyer' coaches from Donnerton to London. Use these timetables to answer the questions below.

	SERVICE CODE	28	22	22A NS	28	22	22A NS	22	22B
Blackmore School	SCH								1510
Blackmore, opp Hospital		0815	0915	1015	1115	1215	1315	1415	1515
Blackmore, Market Place		0820	0920	1020	---	1220	1320	---	1520
Grinsley, Church Lane		0840	0940	1040	1135	1240	1340	1435	1540
Grinsley, Kings Head		0845	0945	1045	1140	1245	1345	1440	1545
Boxley, opp Bus Shelter		0900	1000	1100	1155	1300	1400	1455	1600
Crosthams, Church Street		0915	1015	1115	1210	1315	1415	1510	1615
Donnerton, Bus Station		0940	1040	1140	1235	1340	1440	1535	1640

Code:
SCH only on school days, NS not on Saturdays

THE LONDON FLYER							
Donnerton, Bus Station		1000	1100	1200	1300	1400	1500
Birmingham, Market Place		1218	---	1418	---	1618	---
London, Victoria Coach Station		1433	1517	1633	1717	1833	1917

1. If you wanted to go to Birmingham, which times would you avoid catching the 'London Flyer'?
2. If I caught the 10.40 bus from Grinsley, Church Lane to Donnerton, what time could I catch the connecting 'London Flyer' to travel to London?
3. I want to travel from Blackmore Market Place to London, to arrive before 4.00 pm.

Which bus should I catch from Blackmore (opp hospital) and what time will I arrive in London

4. My friend wants to travel from Boxley to Birmingham on Saturday.

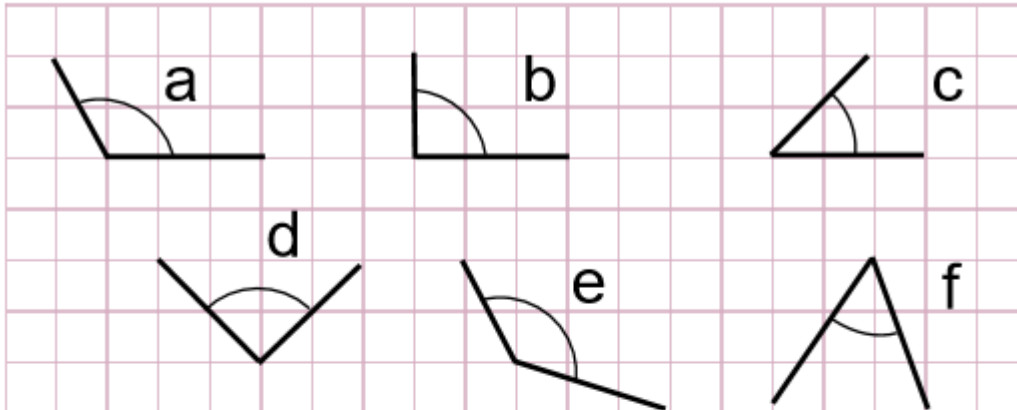
She would like to leave after 11.30 am. Which is the best bus for her to catch from Boxley and when will she arrive at her destination?

5. My friend and I decide to have a trip to London.

I live in Crosthams and she lives in Birmingham. Plan the journey to London for us, making sure we get the same 'London Flyer'.

Week 4: Maths homework due in 28th November 2016

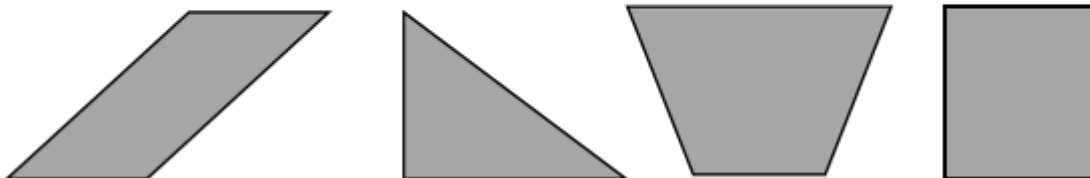
BRONZE



Write the letters of **all** the **acute** angles.

Write the letters of **all** the **obtuse** angles.

Tick the shape that **does not** have **two acute angles**.



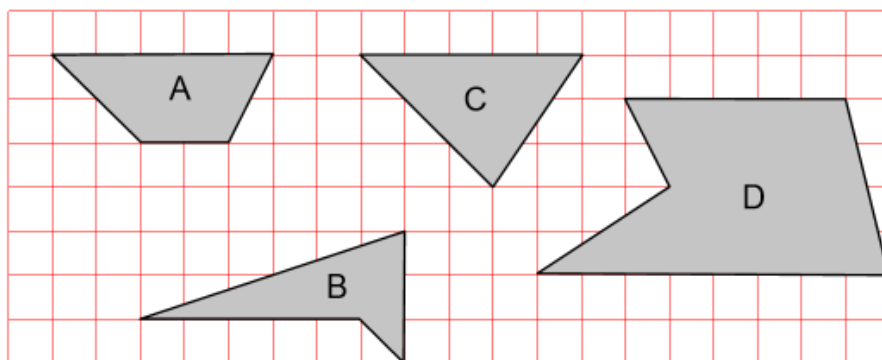
SILVER

Write the missing numbers.

An angle less than ° is called an **acute** angle.

An angle more than ° but less than ° is called an **obtuse** angle.

An angle more than ° is called a **reflex** angle.



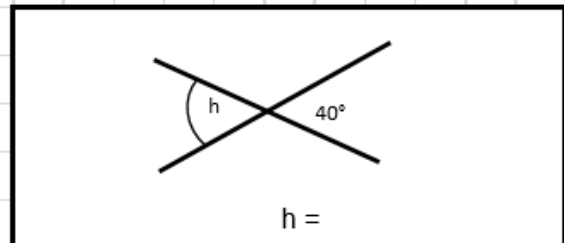
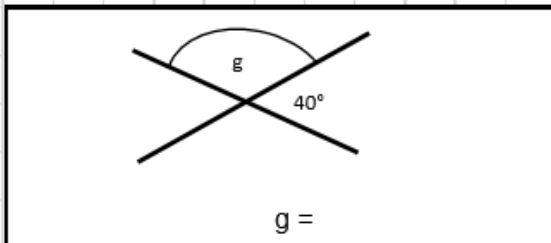
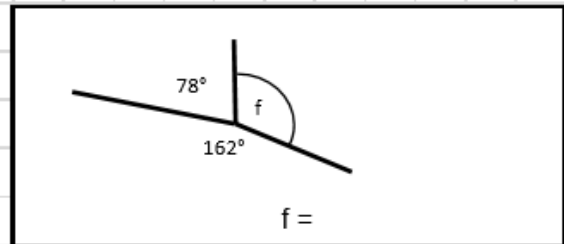
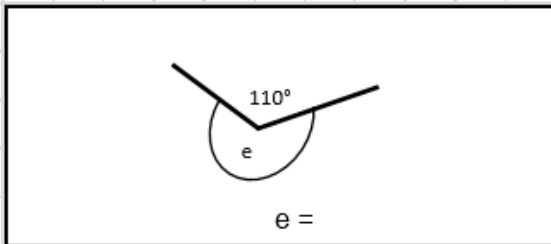
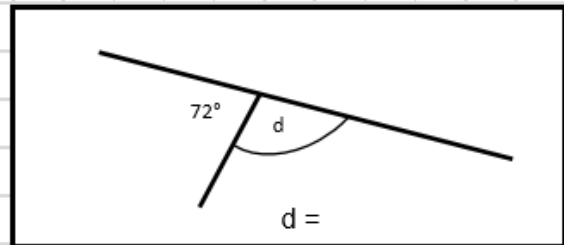
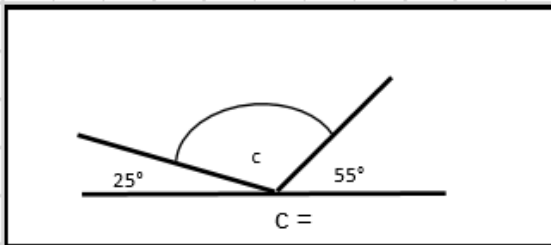
Write the letters of **all** the shapes that have **three acute angles**.

Write the letter of the shape that has **two obtuse angles**.

Write the letters of **all** the shapes that have **a reflex angle**.

GOLD

Calculate the missing angles.



Not to scale. Do not measure.

Calculate the missing angle.