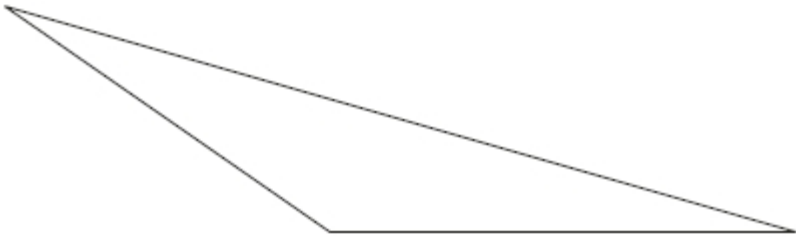


2.

Here is a triangle.



Measure the shortest side accurately, in centimetres.

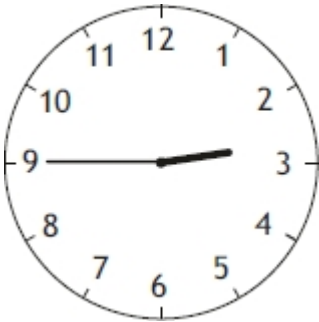
1 mark

Measure the largest angle.

1 mark

3.

A clock shows this time twice a day.



Tick the two digital clocks that show this time.

 03:45 02:45 09:45 21:45 14:45

1 mark

4.

William wants to travel to Paris by train.

He needs to arrive in Paris by **5:30 pm**.

Circle the **latest time** that William can leave London.

Leaves London	Arrives Paris
12:01	15:22
12:25	15:56
13:31	16:53
14:01	17:26
14:31	17:53
15:31	18:53
16:01	19:20

1 mark

5.

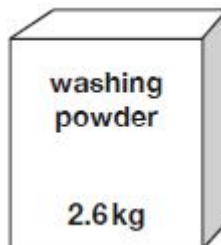
How many days are there in September, October and November altogether?

days

1 mark

6.

A box contains 2.6 kg of washing powder.



Jack uses 65 grams of powder for each wash.

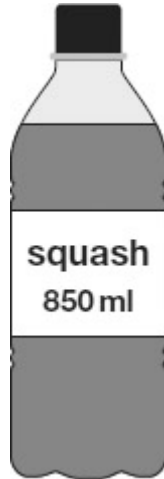
He uses all the powder.

How much higher was the water in the 1969 flood than in the 1948 flood?

1 mark

8.

This 850 ml bottle of squash makes 17 drinks.



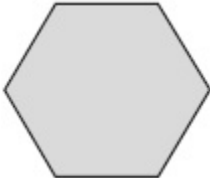
How many millilitres of squash are in each drink?

1 mark

9.

These two shapes have the **same** perimeter.

regular hexagon



square

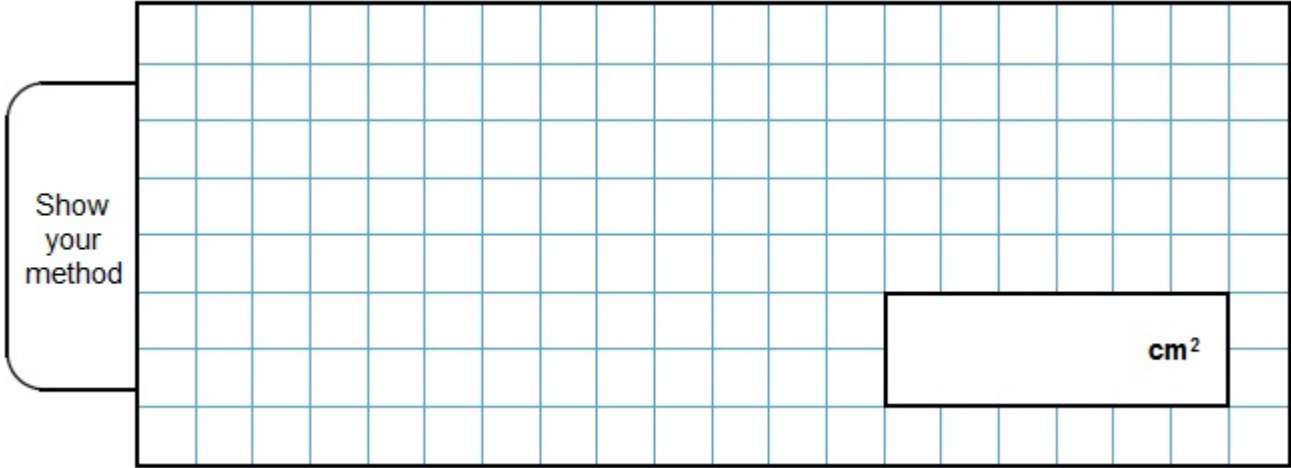


Not actual size

The length of each side of the **hexagon** is **8** centimetres.

Calculate the **area** of the **square**.

Show your method



2 marks

10.

Circle the approximate measurement.

The length of a banana is about ...

2 cm 20 cm 2 mm 2 m 20 m

The mass of an apple is about ...

2 g 20 kg 200 kg 200 g 2 kg

A glass of fruit juice is about ...

2 ml 2 l 20 ml 200 ml 20 l

2 marks

11.

Draw **another** line **3 cm longer** than this line.

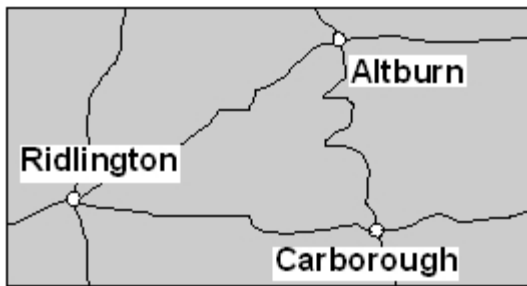
Use a ruler.



1 mark

12.

This map has a scale of **1 centimetre to 6 kilometres**.



The road from Ridlington to Carborough measured **on the map** is **6.6 cm** long.

What is the length of the road in **kilometres**?

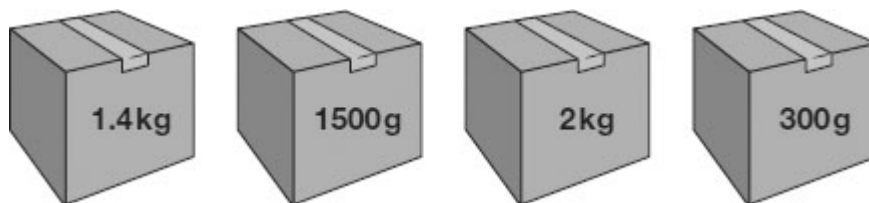
Show your method

km

2 marks

13.

William has four parcels.



Write the masses in order, starting with the **heaviest**.

--	--	--	--

heaviest

1 mark

Mark schemes

1.

Award **TWO** marks for the correct answer of 108

If the answer is incorrect, award **ONE** mark for an appropriate method, e.g.

- $7.5 \times 4 = 30$
 $11 \times 4 = 44$
 $8.5 \times 4 = 34$
 $30 + 44 + 34$

OR

- $7.5 + 11 + 8.5 = 27$
 27×4

OR

- $7.5 + 7.5 + 7.5 + 7.5 + 11 + 11 + 11 + 11 + 8.5 + 8.5 + 8.5 + 8.5$
*Misreads are **not** allowed.*
*Answer need not be obtained for the award of **ONE** mark.*

Up to 2m

[2]

2.

(a) Answer is teacher's measurement +/- 2 mm.

1

(b) Answer in the range 143° to 147° **inclusive**.

Commentary: Some measures questions specify the unit to be used. Where the unit is given in the question lozenge and in the answer box, it must be used. If pupils express their answers using a different unit, e.g. as 57 mm in the first part of this question, the mark will not be awarded.

1

[2]

3.

Both clocks ticked, as shown:

03:45	02:45	09:45
	✓	
21:45	14:45	
	✓	

Accept alternative unambiguous positive indications, e.g. clocks circled or underlined.

[1]

4.

The correct time circled as shown:

Leaves London	Arrives Paris
12:01	15:22
12:25	15:56
13:31	16:53
14:01	17:26
14:31	17:53
15:31	18:53
16:01	19:20

Accept alternative unambiguous positive indications, e.g. 14:01 ticked or underlined.

Accept 17:26 circled in addition to 14:01, provided no other time is circled.

Do not accept only the arrival time 17:26 circled.

[1]

5.

91

[1]

6.

Award **TWO** marks for the correct answer of 40

If the answer is incorrect, award **ONE** mark for evidence of appropriate method, e.g.

- $2.6 \times 1,000 = 2,600$
 $2,600 \div 65 =$
- $2.6 \div 0.065 =$

Answer need not be obtained for the award of **ONE** mark.

Do not accept an incorrect conversion or no conversion of units, e.g.

- $260 \div 65 =$
- $2.6 \text{ kg} \div 65 \text{ g}$

Up to 2m

[2]

7.

(a) Answer in the range 1.85 to 1.95 exclusive.

1

(b) 1.8

1

[2]

8. 50

[1]

9. Award **TWO** marks for the correct answer of 144

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g.

- $8 \times 6 = 48$
 $48 \div 4 = 13$ (error)
 $13 \times 13 = 169$

OR

Award **ONE** mark for:

- evidence for the side length of the square calculated correctly, i.e. 12
*Answer need not be obtained for the award of **ONE** mark.*

Up to 2m

[2]

10. Award **TWO** marks for all three values correct as shown:

banana

2cm 20cm 2mm 2m 20m

apple

2g 20kg 200kg 200g 2kg

fruit juice

2ml 2l 20ml 200ml 20l

If the answer is incorrect, award **ONE** mark for two correct measurements.

Accept alternative unambiguous indications, eg correct value filled in.

Up to 2m

[2]

11. A **new** line drawn which measures between 8.3 cm and 8.7 cm inclusive.

Do not accept a 3 cm extension to the line given.

[1]

12.

Award **TWO** marks for 39.6 km, even if there are errors in the working.

If the answer is incorrect, award **ONE** mark for evidence of correct partial result 6×6.6 by any appropriate method (not repeated addition only), eg:

- $6 \times 6.6 = 36 + \dots$ (incorrect answer given)
- $6 \times 6.6 = 396$

The writing of an expression such as:

- **6×6.6**

alone, without attempt at calculation, is insufficient for the mark.

Up to 2

[2]

13.

Masses in correct order, as shown:

2 kg	1500 g	1.4 kg	300 g
------	--------	--------	-------

heaviest

OR

Accept correct conversions, e.g.

2000g 1500g 1400g 300g

OR

2000 1500 1.4 300

*Misreads and transcription errors are **not** allowed.*

Accept with correct units or without units.

*Accept masses written in reverse order **AND** the label heaviest changed to follow suit.*

[1]