1 Write in the missing number.

$1 + 10 + \square = 100$

1

1 mark

2 Put these temperatures in order, starting with the **lowest**.

21°C −13°C −24°C 0°C 35°C

°C	°C	°C	°C	°C
lowest				

2

1 mark

3 These are some prices in a fish and chip shop.

Fish	£2.30	Peas	35p
Sausage	£1.80	Curry sauce	40p
Chips (small bag)	60p	Bread roll	30p
Chips (large bag)	90p	Pickled onion	28p

Alfie buys one fish, a large bag of chips and a pickled onion.

How much does he pay?

£

3a

1 mark

Megan buys a sausage and a bread roll.

Chen buys a small bag of chips and a curry sauce.

How much **more** does Megan pay than Chen?

Show your working

£

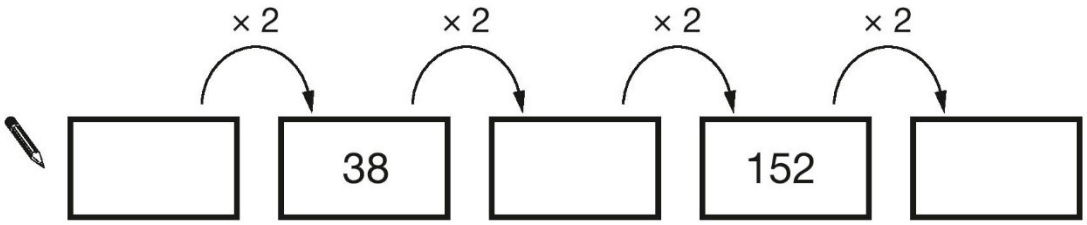
3bi

3bii

2 marks

4 Here is a doubling sequence.

Write the three missing numbers.



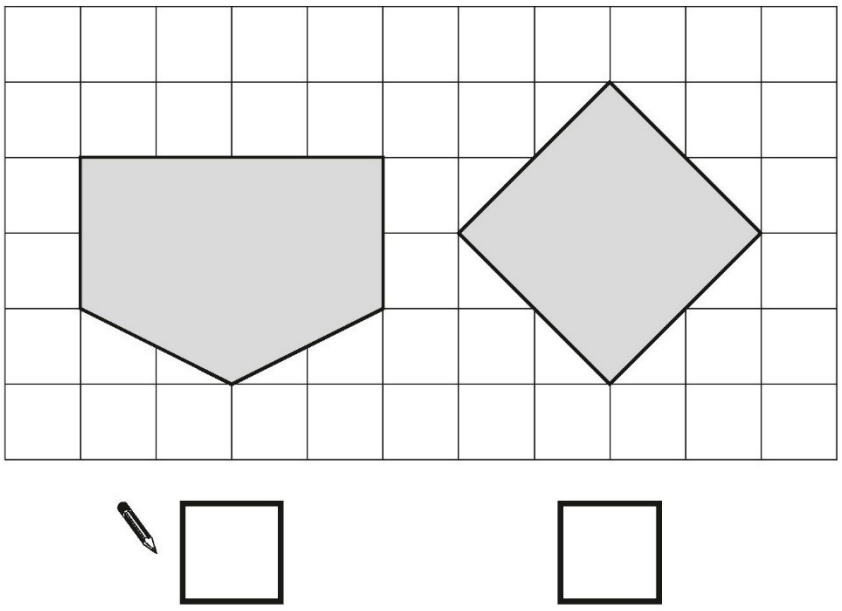
4i

4ii

2 marks

5 Here are two shapes on a square grid.

For each shape, write how many **right angles** it has.

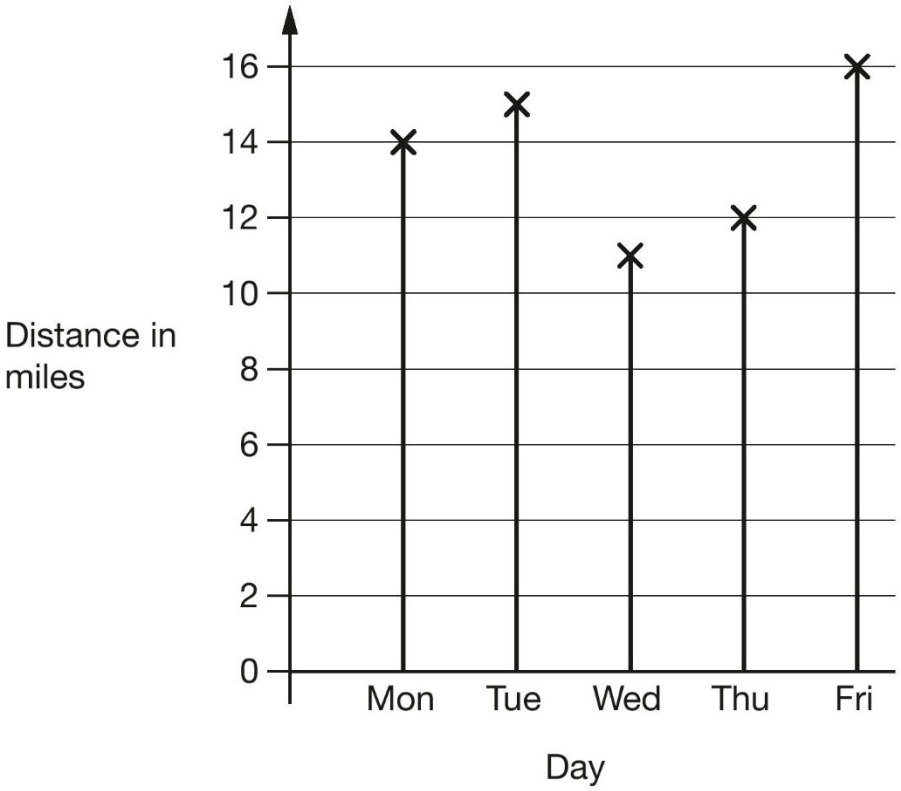


5

1 mark

6 Amy went on a cycling holiday.

This chart shows how far she cycled each day.



How much **further** did Amy cycle on Friday than on Wednesday?

miles

6a

1 mark

How far did Amy cycle **altogether** on the three days she cycled the most?

miles

6b

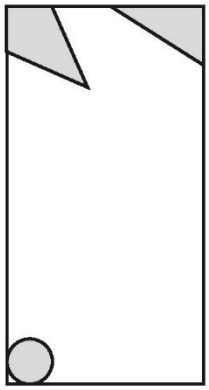
1 mark

7 Megan has a rectangular tile with this design on it.

Here are five more rectangular tiles.

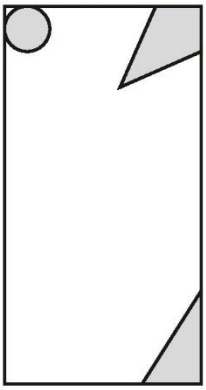
A

B



C

D



E

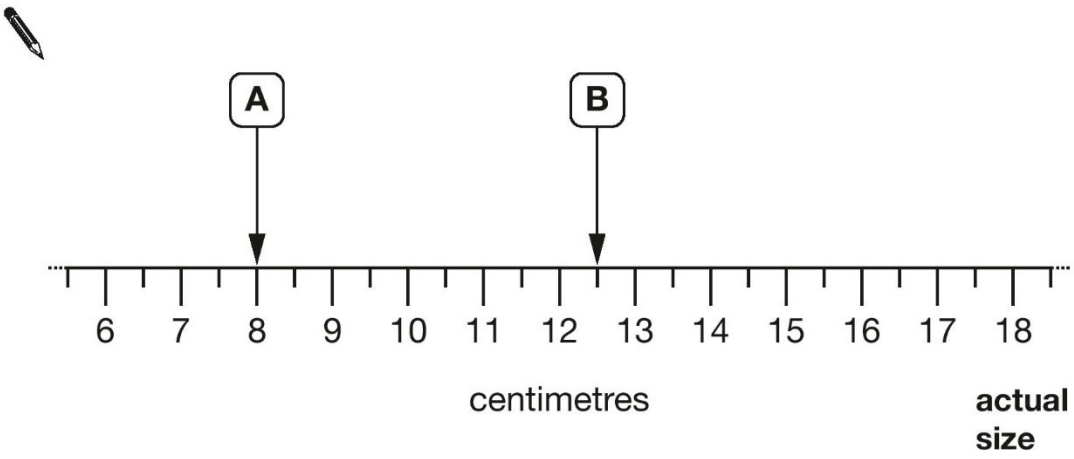
Write the letters of **all** the tiles that have the same design as Megan's tile.

7i

7ii

2 marks

8 Here is part of a centimetre scale, with two points marked.



What is the distance between point **A** and point **B**?

cm

8a

1 mark

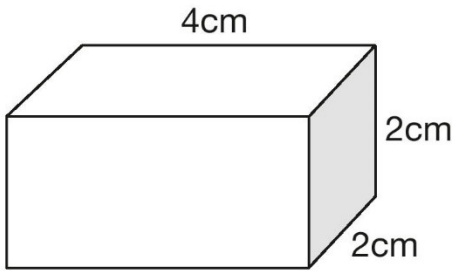
Point **C** is **twice as far** from point A as it is from point B.

On the scale above, mark one place where point C could be.

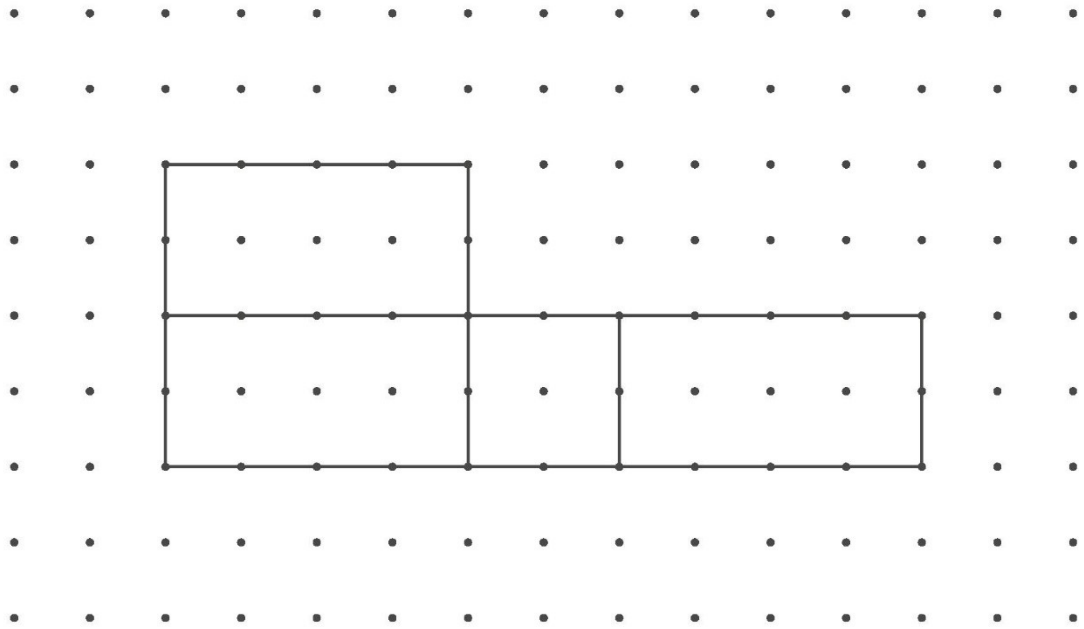
8b

1 mark

9 Look at the cuboid below.



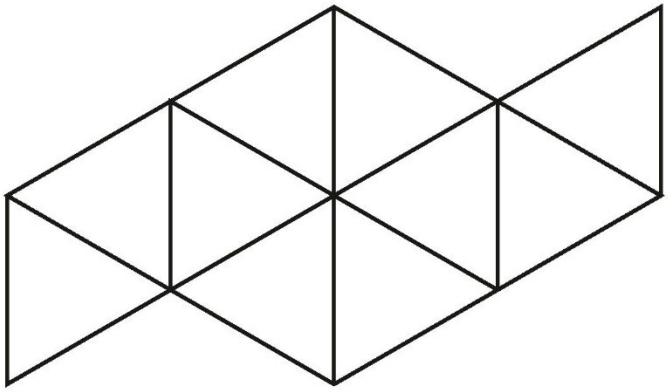
Draw **two** more faces to complete the net of the cuboid.



9a
1 mark

9b
1 mark

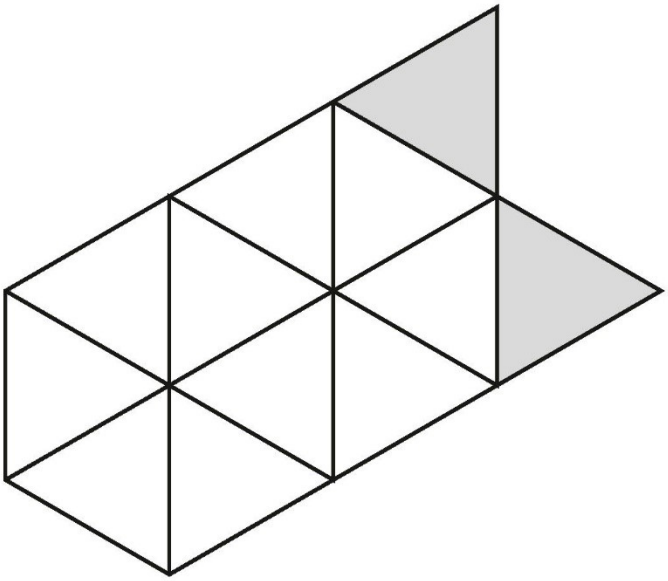
10 Shade $\frac{1}{5}$ of this shape.



10a

1 mark

Shade **more** triangles on this shape so that $\frac{1}{3}$ is shaded.

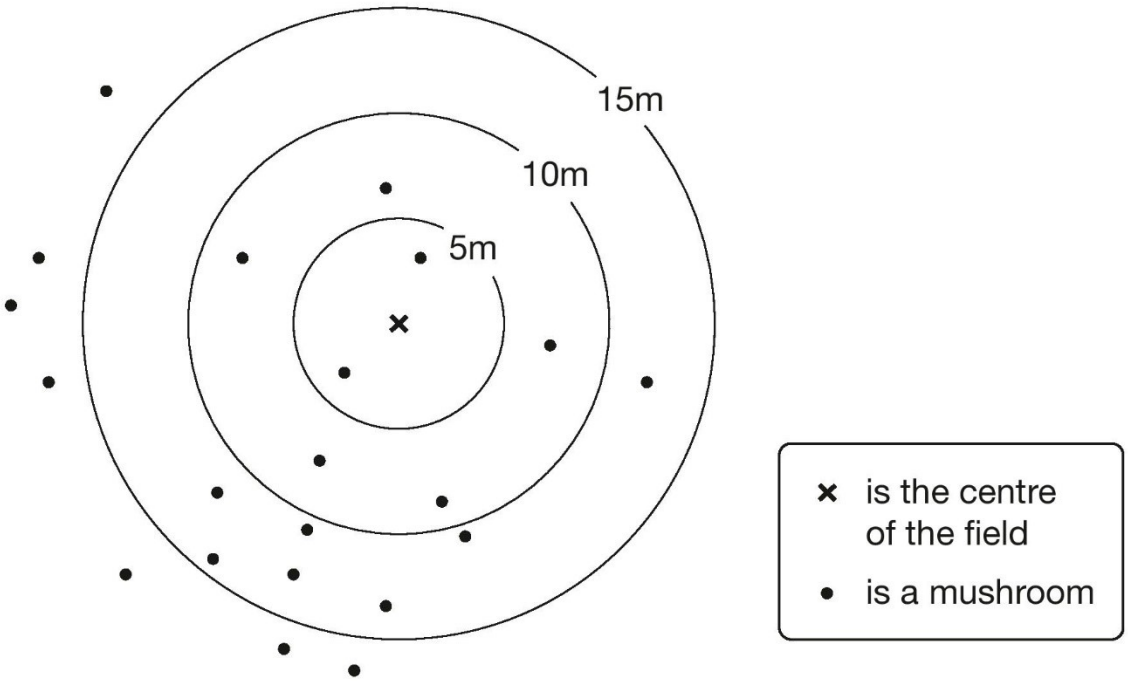


10b

1 mark

11 Class 6 did a survey of mushrooms growing in a field.

The diagram shows the distances of mushrooms from the centre of the field.



How many mushrooms were more than 10 metres from the centre?

11a

1 mark

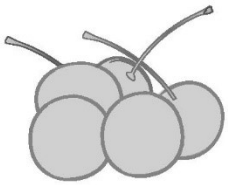
What **fraction** of the mushrooms were less than 10 metres from the centre?

11b

1 mark

12 Seb had some cherries.

Every day he ate 10 cherries and gave 5 away.



After he gave the last 5 cherries away, he had eaten 40 cherries altogether.

How many cherries did Seb have at the start?

Show your working

12i

12ii

2 marks

13 Here are five number cards.

48	49	50	51	52

Use each card **once** to make every statement below correct.

☐ is a multiple of 3

☐ is a multiple of 4

☐ is a multiple of 5

☐ is a multiple of 6

☐ is a multiple of 7

13i _____

13ii _____

2 marks

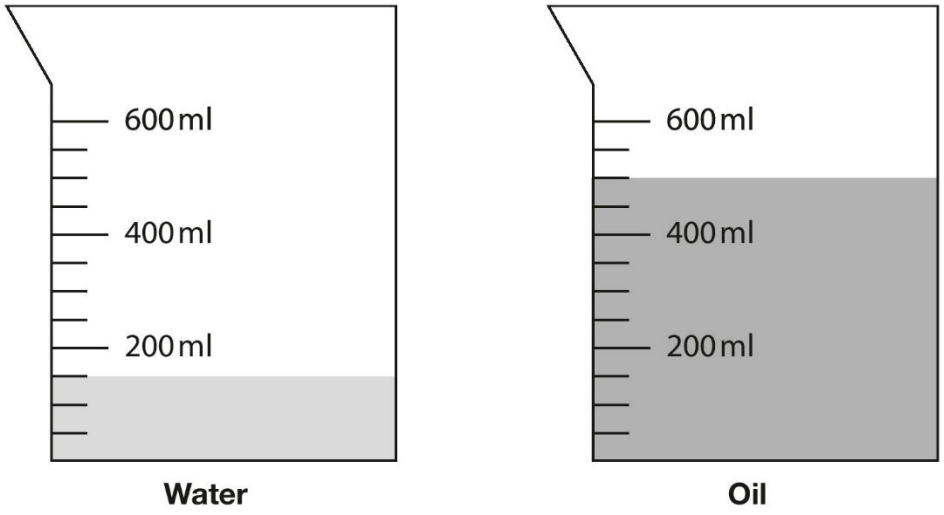
14 Write in the missing number.

$$8.5 + 14.7 = 10.2 + \square$$

14

1 mark

15 One jug contains water and the other jug contains oil.



How much **more** oil is there than water?

ml

15

1 mark

16 Write the missing number in each calculation.

25 ÷ ☐ = 3 remainder 4

16a

1 mark

35 ÷ ☐ = 4 remainder 3

16b

1 mark

17 Here is part of the morning bus timetable from Winton to Yansley.

Winton	9:35	9:55	10:15	10:35
Ingham	9:45	10:05	10:25	10:45
Carston	10:01	10:21	10:41	11:01
Dubley	10:23	10:43	11:03	11:23
Yansley	10:55	11:15	11:35	11:55

How many minutes does the bus take to get from Ingham to Dubley?

minutes

17a

1 mark

Megan is in Carston.

She wants to be in Yansley before 11:30

What is the time of the latest bus she can take from Carston?

:

17b

1 mark

One morning, the 10:35 bus from Winton gets to Carston 3 minutes early.

What time does it get to Carston?

:

17c

1 mark

18 Circle the number that is closest to 20

19.95 20.1 19.09 20.09 20.201

18

1 mark

19 Calculate **936 ÷ 36**

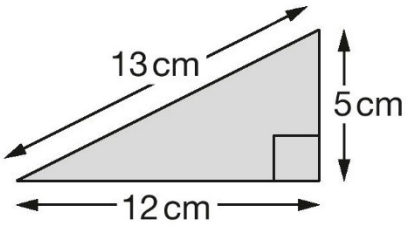
Show your working

19i

19ii

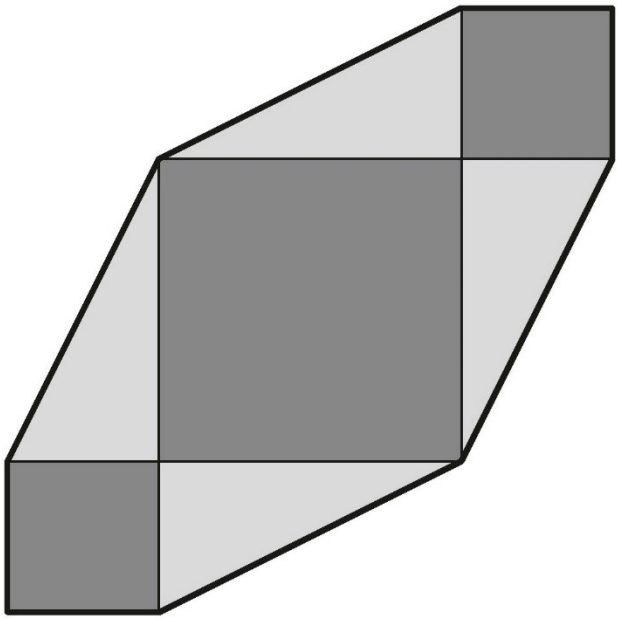
2 marks

20 Chen has some right-angled triangular tiles.



Not actual size

He makes this shape with four of his triangular tiles and three square tiles.



Not actual size

What is the **perimeter** of Chen's shape?

Show your working

cm

20i

20ii

2 marks

21 The numbers in this sequence increase by equal amounts each time.

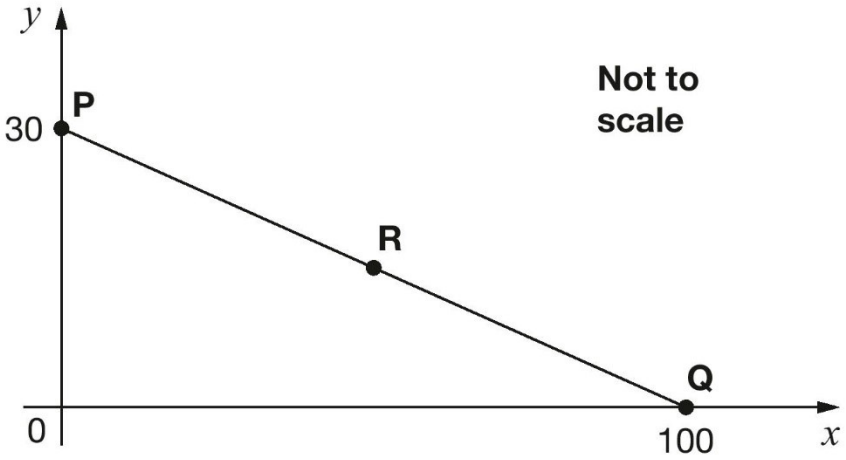
Write in the three missing numbers.

1				7

21i
1 mark

21ii
1 mark

22 In this diagram **R** is an equal distance from **P** and **Q**.



What are the coordinates of **R**?

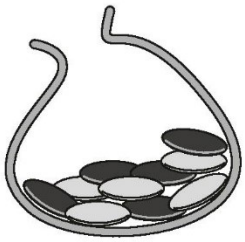
R = (,)

22
1 mark

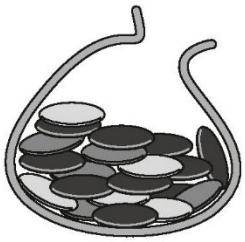
23 Megan and Chen each have a bag of counters.

Megan's bag has **5** blue counters and **5** green counters.

Chen's bag has **10** blue counters, **5** green counters and **5** red counters.



Megan's bag



Chen's bag

They each take a counter from their bag without looking.

Chen says,

'I am more likely than Megan to take a blue counter.'

Is Chen correct?
Circle **Yes** or **No**.

Yes / No

Explain how you know.

23

1 mark