

Q1.

Robin has bought this packet of biscuits.

Tick (✓) the amount the biscuits are most likely to weigh.



10kg

250kg

5g

250g

100g

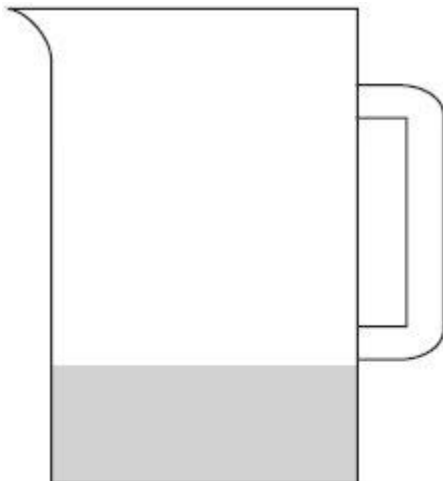
5kg

1 mark

Q2.

The jug holds **800 ml** of water when it is full.

Estimate the amount of water that is in the jug.



millilitres

1 mark

Q3.

Estimate the answer to this calculation

$$349.05 + 907.53$$

Circle the correct estimate

1000 1100 1200 1300 1400

1 mark

Q4.



Tom's bedroom door is about 190 cm tall.

Estimate Tom's **height**.

Draw a circle around the best estimate.

60 cm 90 cm 130 cm 160 cm

1 mark

Q5.

Estimate the answer to this calculation.

$$23,901 - 5,097$$

Circle the correct estimate.

6,000 17,000 18,000

19,000 20,000

1 mark

Q6.

Mina has **76** marbles in a jar.

The jar is about **half full**.



Estimate how many marbles Mina will have when the jar is **full**.

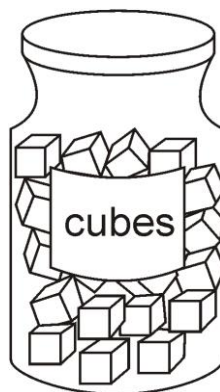
Circle the best estimate.

75 100 125 150 175

1 mark

Q7.

Five children estimated how many cubes were in the jar.



40	46	58	100	164
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There were exactly 50 cubes.

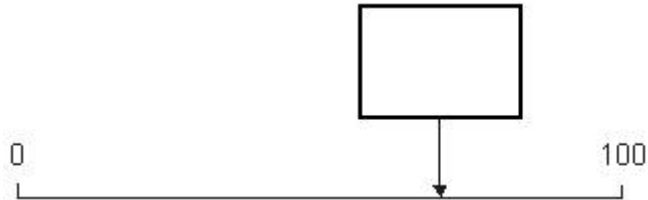
Tick (✓) the estimate which was the nearest.

1 mark

Q8.

Here is a number line.

Estimate the number marked by the arrow.



1 mark

Q9.

Circle the number closest to 500

525 491 511 408 550

1 mark

Q10.

Layla wants to estimate the answer to this calculation.

$$3\frac{9}{10} - 2\frac{1}{8} + 1\frac{4}{5}$$

Tick the calculation below that is the best estimate.

Tick **one**

3 - 2 + 2

4 - 2 + 1

4 - 2 + 2

3 - 2 + 1

1 mark

Q11.

Circle the number closest to 100

70

120

85

111

909

1 mark

Q12.

Circle one amount each time to make these sentences correct.

One has been done for you.

The distance from
London to Manchester is about

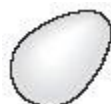
320 cm
320 m
320 km

A tea cup is likely to hold about



15 ml
150 ml
1500 ml

A hen's egg is likely to weigh about



6 g
60 g
600 g

1 mark

Q13.

Plastic cups are sold in packs of 8

Amir needs 27 cups.



How many packs must he buy?

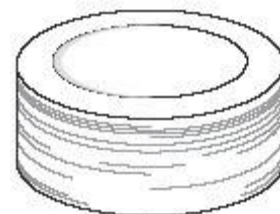
packs

1 mark

There are 30 paper plates in a pack.

Amir buys 2 packs.

He uses 37 plates.



How many plates are left?

plates

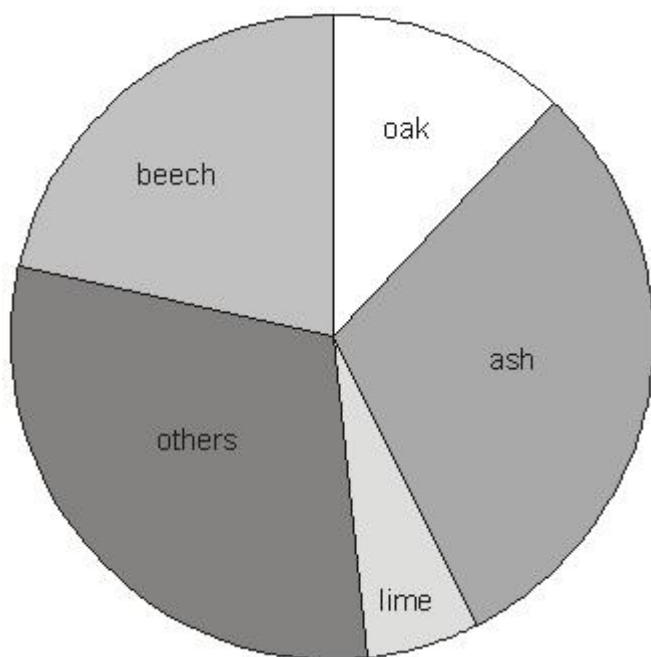
1 mark

Q14.

Class 6 did a survey of the number of trees in a country park.



This pie chart shows their results.



Estimate the **fraction** of trees in the survey that are **oak** trees.

1 mark

The children counted 60 **ash** trees.

Use the pie chart to estimate the **number** of **beech** trees they counted.

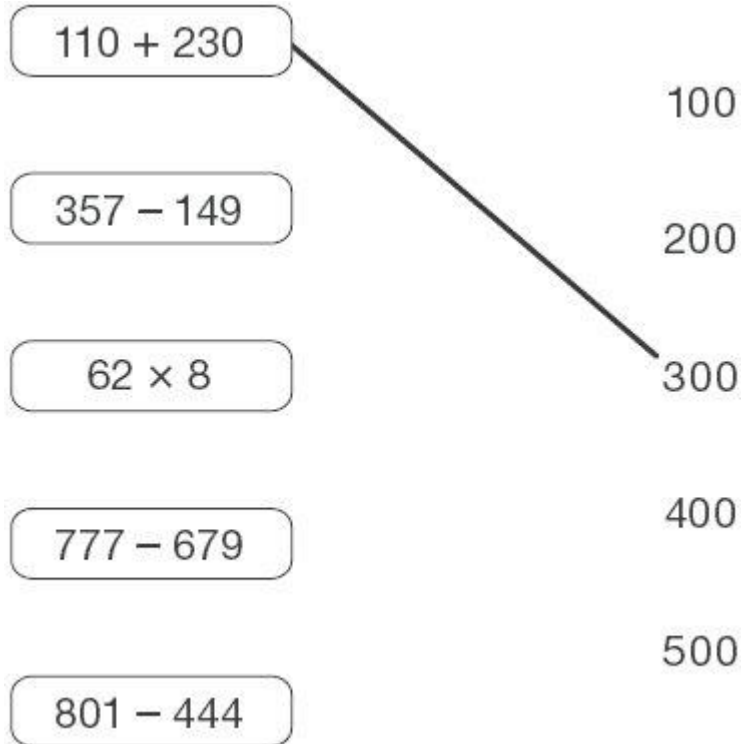


1 mark

Q15.

Join each of these calculations to the number that is **nearest** to the correct answer.

One has been done for you.

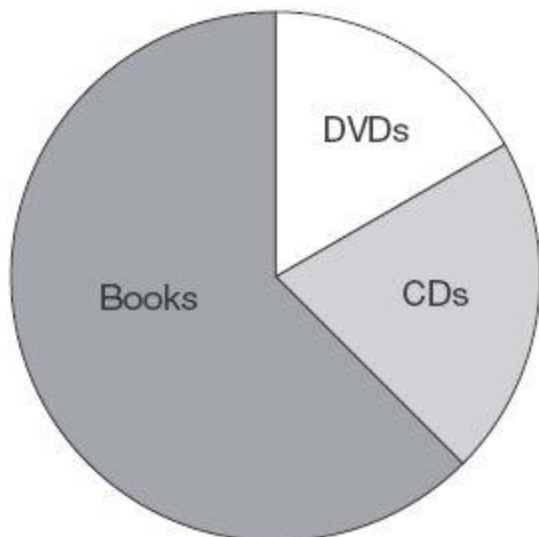


2 marks

Q16.

A shop sells books, CDs and DVDs.

This pie chart shows the sales of each in one week.



Estimate the **fraction** of the total sales that were DVDs.

1 mark

In this week, 200 **CDs** were sold.

Estimate how many books were sold.

1 mark

Mark schemes

Q1.

✓ in box by 250 g

If more than one box is ticked, do not award the mark unless the child clearly indicates which one is his or her final correct choice.

[1]

Q2.

100 - 300 ml inclusive

[1]

Q3.

1300 indicated

Accept any unambiguous indication

[1]

Q4.

130 cm indicated

[1]

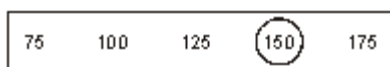
Q5.

19,000

[1]

Q6.

Number circled as shown:



Accept any other clear way of indicating the correct estimate, such as ticking the number.

[1]

Q7.

46 indicated

[1]

Q8.

Answer in the range 65 to 75 inclusive.

[1]

Q9.

Number circled as shown:

525 **491** 511 408 550

Accept alternative unambiguous indications, eg number ticked, crossed or underlined.

[1]

Q10.

Third box only ticked correctly, as shown:

$3 - 2 + 2$	<input type="checkbox"/>
$4 - 2 + 1$	<input type="checkbox"/>
$4 - 2 + 2$	<input checked="" type="checkbox"/>
$3 - 2 + 1$	<input type="checkbox"/>

Accept alternative unambiguous positive indication of the correct answer, e.g. Y.

[1]

Q11.

Number circled as shown:

70 120 85 **111** 909

Accept alternative unambiguous indications, eg number ticked, crossed or underlined.

[1]

Q12.

Amounts circled as shown:

15ml
150ml
1500ml
6g
60g
600g

Both amounts must be correct for the award of the mark.

Accept alternative unambiguous indications such as underlining or ticking.

[1]

Q13.

(a) 4

1

(b) 23

1

[2]

Q14.

(a) Answer in the range $\frac{1}{10}$ to $\frac{3}{20}$ inclusive.

Range includes $\frac{1}{7}$, $\frac{1}{8}$, $\frac{1}{9}$ and $\frac{1}{10}$

Accept decimals (0.1 to 0.15 inclusive) or percentages (10% - 15% inclusive).

1

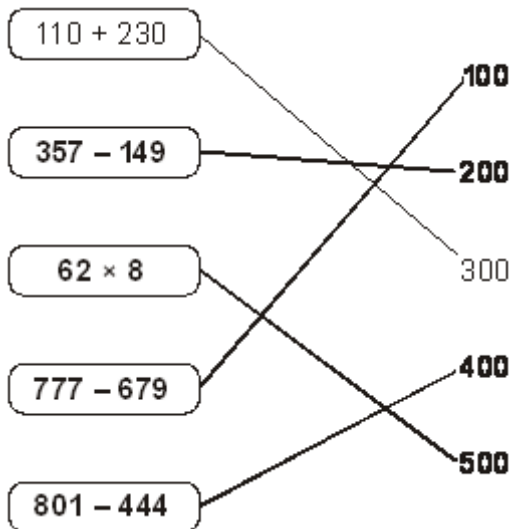
(b) Answer in the range 40 to 50 inclusive.

1

[2]

Q15.

Award **TWO** marks for the four lines drawn as shown:



Do not award any marks if two or more incorrect lines are drawn.

Lines need not touch the boxes, provided the intention is clear.

If the answer is incorrect, award **ONE** mark for three correct lines drawn **AND** not more than one incorrect line drawn.

Up to 2

[2]

Q16.

- (a) Answer in the range $\frac{13}{100}$ to $\frac{1}{5}$ inclusive

Range includes $\frac{1}{6}$ and $\frac{1}{7}$

Accept decimals or percentages.

(0.13 to 0.2 inclusive)

(13% to 20 % inclusive)

1

- (b) Answer in the range 500 to 800 inclusive

1

[2]