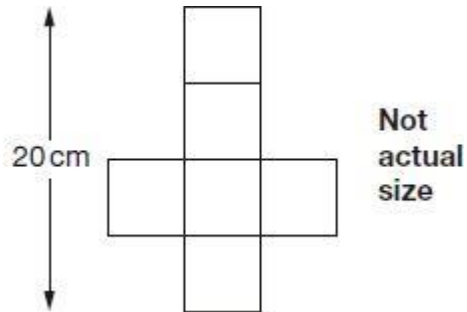


Q2.

This is the net of a cube.



What is the **volume** of the cube?

cm^3

1 mark

Q3.

Round the lengths to the nearest whole metre.

Length	To nearest whole metre
8.72 m	9 m
1.6 m	
6.09 m	
4.1 m	

2 marks

Q4.

Write these lengths in order, starting with the shortest.

$\frac{1}{2}$ m

3.5 cm

20 cm

25 mm

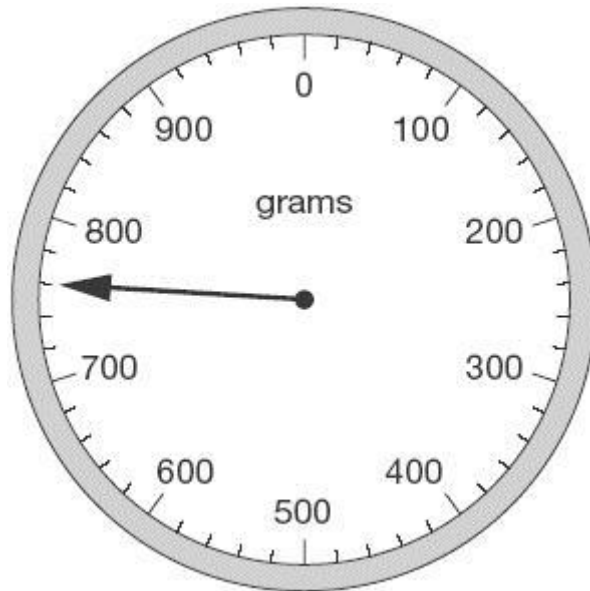
shortest

1 mark

Q5.

Joe places some apples on a weighing scale.

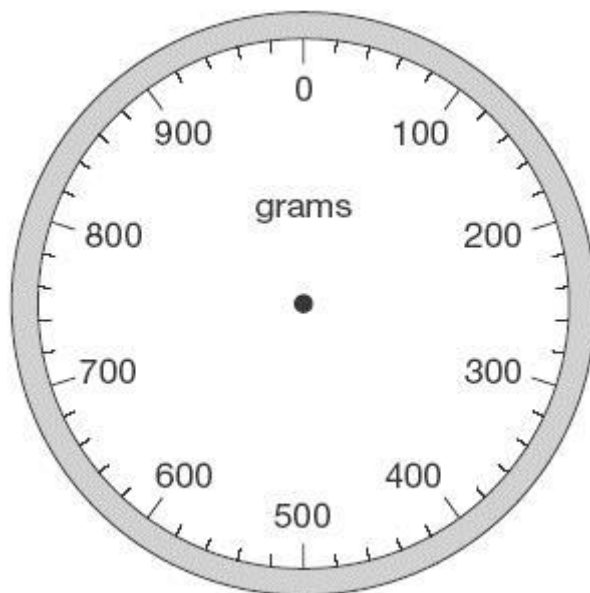
The pointer shows the mass of the apples.



He takes away one apple.

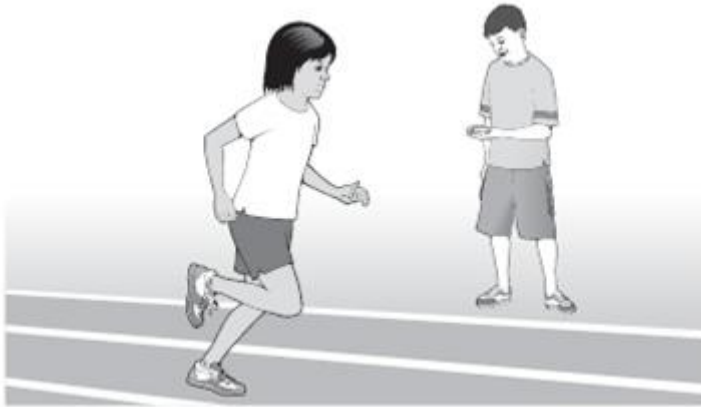
The mass goes down by 120 grams.

Draw the pointer in its new position on the scale below.



1 mark

Q7.



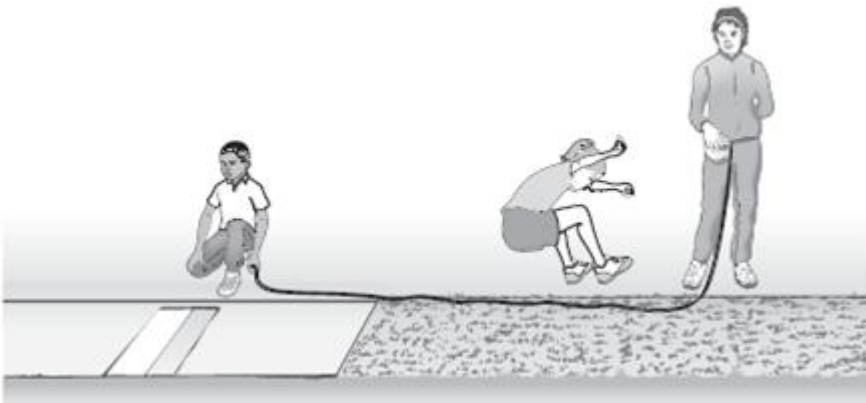
Kirsty ran a race in one and a half minutes.

Mina took 10 seconds longer.

How many **seconds** did Mina take to run the race?

seconds

1 mark



Seb made a jump of two and a half metres.

Kirsty's jump was 10 centimetres longer.

How long was Kirsty's jump?

--

1 mark

Mark schemes

Q1.

18

2

or

1728 seen (the volume of the cube/cuboid)

or

Shows or implies a complete correct method, eg:

- $12 \times 12 \times 12 = 1440$ (error)
 $1440 = 16 \times 6 \times \text{height}$
 $\text{height} = 1440 \div (16 \times 6) = 15$
- $12 \times 12 \times 12 \div 16 \div 6$
! Measures
See guidance

1

[2]

Q2.

125

[1]

Q3.

Award **ONE** marks for the table completed as shown:

Length	To nearest whole metre
8.72 m	9m
1.6 m	2 m
6.09 m	6 m
4.1 m	4 m

Award **ONE** mark for any two numbers correct.

[2]

Q4.

Lengths written in correct order as shown:

25mm	3.5cm	20cm	$\frac{1}{2}$ m
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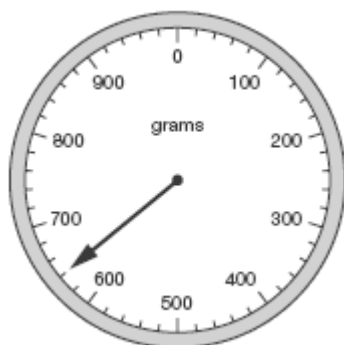
*Accept use of equivalent units, eg
2.5 cm*

Accept answers with missing or incorrect units.

[1]

Q5.

Arrow drawn to 640, as shown:



Arrow should be closer to 640 than to 620 or 660

Accept any unambiguous indication of the correct point on the scale, including an arrow not originating from the centre of the dial.

Accept answer given on upper diagram provided no answer is given on lower diagram.

[1]

Q6.

Award **TWO** marks for the correct answer of £1.85

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

- $1\frac{1}{2} \times £1.50 = £2.25$
 $\frac{1}{2}$ of £1.80 = 70p (error)
 $£2.25 + 70p = £2.95$
 $£5 - £2.95 =$

OR

- $£1.50 + 75 = £2.25$
 $£2.25 + 90 = 415p$ (error)
 $£5.00 - 415p =$

OR

- sight of £3.15 **OR** 315p as evidence of evaluating the correct cost of the potatoes and carrots.

Do not accept misreads for this question.

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

Accept for **ONE** mark an answer of £185 or £185p as evidence of an appropriate method.

Up to 2 marks

[2]

Q7.

(a) 100 seconds

Answer must be in seconds.

Do not accept 1 minute 40 seconds.

1

(b) 260 cm **OR** 2.6 m

*Accept 260 **OR** 2.6 **OR** 2 m 60 cm.*

1