

**WAL: how to convert between units of distance.**

**Q1.**



The International Space Station orbits the Earth at a height of 250 miles.

What is the height of the International Space Station in **kilometres**?

Use 8 kilometres equals 5 miles.

1 mark

**Q2.**

5 miles is approximately equal to 8 km.

Complete the sentences below:

1 mile is approximately equal to

1 mark

1 km is approximately equal to

1 mark

**Q3.**

Write these lengths in order, starting with the shortest.

$\frac{1}{2}$  m

3.5 cm

25 mm

20 cm

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shortest

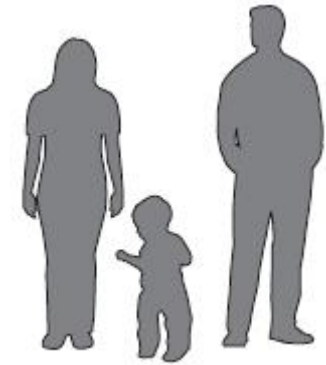
1 mark

**Q4.**

Freddie is half as tall as his mother.

Freddie is one metre shorter than his father.

Freddie's father is 180 centimetres tall.



How many centimetres tall is Freddie's mother?

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cm

1 mark

**Q5.**

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?

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

**Q6.**

Kate has a piece of ribbon **one metre** long.

She cuts off 30 centimetres.



How many centimetres of ribbon are left?

1 mark

Mark schemes

**Q1.**

400

[1]

**Q2.**

1.6 km

Accept  $1\frac{3}{5}$  km or equivalent

1

0.625 miles

Accept  $\frac{5}{8}$  or equivalent

1

[2]

**Q3.**

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]

**Q4.**

160

U1

[1]

**Q5.**

(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

[2]

**Q6.**

70

[1]