

Working out lengths - answers

1. Who came first, second and third in the competition?

First: Emma Jones: 10.2 m

Second: Belinda Roberts: 10.11m

Third: Asmita Chauhan: 10.09 m

2. Material costs £26 per metre. How much does five metres cost?

$5 \times 26 = \text{£}130$

3. A fairground ride states that children must be at least 1.2 m tall.

1.2 m is the same as 1 m 20 cm.

The following children can go on the ride:

James who is **1 m 25 cm** tall and **Grace**, who is **1 m 30 cm** tall.



4. How many 8 cm lengths of ribbon can you cut from a piece measuring 90 cm? What length of ribbon is left over?

$8 \times 11 = 88$ $90 - 88 = 2$

You can cut **11 pieces of ribbon** with **2 cm** left over.



5. A passport photograph should measure 45 mm \times 35 mm. What is this in centimetres?

10 mm = 1 cm. 45 mm \times 35 mm is the same as **4.5 cm \times 3.5 cm**.

6. A 2-metre length of wood is cut into four equal pieces. How long is each piece?

$2 \div 4 = 0.5$. Each piece of wood is **0.5 m** or **50 cm long**.

7. Jack has to buy enough wood to build three shelves in the garage.

Each shelf needs to be 85 cm long. How much wood does he need to buy? Show your answer in metres and centimetres.

First add up three lots of 85: $85 + 85 + 85 = 255$.

Jack needs to buy **255 cm** or **2.55 m** or **2 m 55 cm** of wood.

