



Converting measurements by dividing by 100

Learning Objective: To convert from centimetres to metres.

Task: Change the measurements below from centimetres to metres.

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1. 200 cm = **2 m**
 2. 230 cm = **2.3 m**
 3. 760 cm = **7.6 m**
 4. 830 cm = **8.3 m**
 5. 450 cm = **4.5 m**
 6. 380 cm = **3.8 m**
 7. 550 cm = **5.5 m**

Task: Answer the worded questions to find the measurement in metres.

1. Mary buys 30 rulers with a total length of 300 cm. What is this in metres?

3 metres.

2. Tom wants to buy a car that is 5 metres long. The car he is looking at is 550 cm long. Is the car long enough for Tom?

550 cm = 5.5 metres. So, the car is long enough.

3. Lewis buys a tv that is 150 cm long. What is this in metres?

1.5 metres.

Task: Work out if these statements are right or wrong. Remember to say why.

1. John believes 600 cm of wood is the same as 7 m of wood. Is this right or wrong?

600 cm = 6 metres of wood. Therefore, John is wrong.

2. Wendy does not believe John and thinks that 700 cm is the same as 7 m of wood. Is this right or wrong?

700 cm = 7 metres of wood. This is because 700 divided by 100 is 7.

3. Tina thinks that 480 cm of wood is long enough for two doors. The doors are 2 metres each. Is tina right or wrong?

480 cm = 4.8 metres of wood. This would be long enough for two door because 2 add 2 equals 4 metres and there is 4.8 metres of wood.

