

Changing between millimetres, centimetres and metres



Key Facts/Formulae:

$$1 \text{ cm} = 10 \text{ mm}$$

$$1 \text{ m} = 100 \text{ cm} \quad 1 \text{ m} = 1000 \text{ mm}$$



Hundreds of Thousands	Tens of Thousands	Thousands	Hundreds	Tens	Units	•	Tenths	Hundredths	Thousandths
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Outcome 1 - Changing between metres, centimetres and millimetres

Examples...

$$3 \text{ cm} = 30 \text{ mm}$$

($\times 10!$)

$$1 \text{ cm} = 10 \text{ mm}$$

$$8 \text{ m} = 800 \text{ cm}$$

($\times 100!$)

$$1 \text{ m} = 100 \text{ cm}$$

$$5 \text{ m} = 5000 \text{ mm}$$

($\times 1000!$)

$$1 \text{ m} = 1000 \text{ mm}$$

Questions...

Change the following units of measurement...

1

$$5 \text{ cm} = ? \text{ mm}$$

2

$$4 \text{ cm} = ? \text{ mm}$$

3

$$15 \text{ cm} = ? \text{ mm}$$

4

$$55 \text{ cm} = ? \text{ mm}$$

5

$$6 \text{ m} = ? \text{ cm}$$

6

$$10 \text{ m} = ? \text{ cm}$$

7

$$17 \text{ m} = ? \text{ cm}$$

8

$$50 \text{ m} = ? \text{ cm}$$

9

$$4 \text{ m} = ? \text{ mm}$$

10

$$18 \text{ m} = ? \text{ mm}$$

Outcome 2 - Changing between millimetres, centimetres and metres

Examples...

$$50 \text{ mm} = 5 \text{ cm}$$

($\div 10!$)

$$1 \text{ cm} = 10 \text{ mm}$$

$$700 \text{ cm} = 7 \text{ m}$$

($\div 100!$)

$$1 \text{ m} = 100 \text{ cm}$$

$$6000 \text{ mm} = 6 \text{ m}$$

($\div 1000!$)

$$1 \text{ m} = 1000 \text{ mm}$$

Questions...

Change the following units of measurement...

1

$$40 \text{ mm} = ? \text{ cm}$$

2

$$60 \text{ mm} = ? \text{ cm}$$

3

$$140 \text{ mm} = ? \text{ cm}$$

4

$$350 \text{ mm} = ? \text{ cm}$$

5

$$500 \text{ cm} = ? \text{ m}$$

6

$$1000 \text{ cm} = ? \text{ m}$$

7

$$7400 \text{ cm} = ? \text{ m}$$

8

$$2000 \text{ cm} = ? \text{ m}$$

9

$$2000 \text{ mm} = ? \text{ m}$$

10

$$57\,000 \text{ mm} = ? \text{ m}$$

Outcome 1 Answers

- | | |
|------------|---------------|
| 1. 50 mm | 2. 40 mm |
| 3. 150 mm | 4. 550 mm |
| 5. 600 cm | 6. 1000 cm |
| 7. 1700 cm | 8. 5000 cm |
| 9. 4000 mm | 10. 18 000 mm |

Outcome 2 Answers

- | | |
|-----------|----------|
| 1. 4 cm | 2. 6 cm |
| 3. 14 cm | 4. 35 cm |
| 5. 5 m | 6. 10 m |
| 7. 74 m | 8. 20 m |
| 9. 2000 m | 10. 57 m |