

# Metric Length Conversions Answers

## Bronze

1. Conversion factor:  $\times 10$

$$5 \times 10 = 50$$

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

$$2.5 \times 10 = 25$$

$$2.5\text{cm} = 25\text{mm}$$

2. Conversion factor:  $\times 10$

$$4 \times 10 = 40$$

$$4\text{cm} = 40\text{mm}$$

$$1.2 \times 10 = 12$$

$$1.2\text{cm} = 12\text{mm}$$

3. Conversion factor:  $\times 10$

$$10 \times 10 = 100$$

$$10\text{cm} = 100\text{mm}$$

$$27 \times 10 = 270$$

$$27\text{cm} = 270\text{mm}$$

4. Conversion factor:  $\times 10$

$$11 \times 10 = 110$$

$$11\text{cm} = 110\text{mm}$$

$$0.5 \times 10 = 5$$

$$0.5\text{cm} = 5\text{mm}$$

5. Conversion factor:  $\div 10$

$$80 \div 10 = 8$$

$$80\text{mm} = 8\text{cm}$$

$$350 \div 10 = 35$$

$$350\text{mm} = 35\text{cm}$$

6. Conversion factor:  $\div 10$

$$75 \div 10 = 7.5$$

$$75\text{mm} = 7.5\text{cm}$$

$$1000 \div 10 = 100$$

$$1000\text{mm} = 100\text{cm}$$

7. Conversion factor:  $\div 10$

$$550 \div 10 = 55$$

$$550\text{mm} = 55\text{cm}$$

$$9.5 \div 10 = 0.95$$

$$9.5\text{mm} = 0.95\text{cm}$$

8. Conversion factor:  $\div 10$

$$20.5 \div 10 = 2.05$$

$$20.5\text{mm} = 2.05\text{cm}$$

$$2 \div 10 = 0.2$$

$$2\text{mm} = 0.2\text{cm}$$

## Silver

1. Conversion factor:  $\times 100$

$$8 \times 100 = 800$$

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

$$3.5 \times 100 = 350$$

$$3.5\text{m} = 350\text{cm}$$

2. Conversion factor:  $\times 100$

$$6 \times 100 = 600$$

$$6\text{m} = 600\text{cm}$$

$$2.75 \times 100 = 275$$

$$2.75\text{m} = 275\text{cm}$$

3. Conversion factor:  $\times 100$

$$9.15 \times 100 = 915$$

$$9.15\text{m} = 915\text{cm}$$

$$4.2 \times 100 = 420$$

$$4.2\text{m} = 420\text{cm}$$

4. Conversion factor:  $\times 100$

$$20 \times 100 = 2000$$

$$20\text{m} = 2000\text{cm}$$

$$0.75 \times 100 = 75$$

$$0.75\text{cm} = 75\text{mm}$$

5. Conversion factor:  $\div 100$

$$300 \div 100 = 3$$

$$300\text{cm} = 3\text{m}$$

$$890 \div 100 = 8.9$$

$$890\text{cm} = 8.9\text{m}$$

6. Conversion factor:  $\div 100$

$$900 \div 100 = 9$$

$$900\text{cm} = 9\text{m}$$

$$1500 \div 100 = 15$$

$$1500\text{cm} = 15\text{m}$$

7. Conversion factor:  $\div 100$

$$495 \div 100 = 4.95$$

$$495\text{cm} = 4.95\text{m}$$

$$40 \div 100 = 0.4$$

$$40\text{cm} = 0.4\text{m}$$

8. Conversion factor:  $\div 100$

$$15 \div 100 = 0.15$$

$$15\text{cm} = 0.15\text{m}$$

$$1000 \div 100 = 10$$

$$1000\text{cm} = 10\text{m}$$

**Gold**1. Conversion factor: **×1000**

$$6 \times 1000 = 6000$$

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

$$9.5 \times 1000 = 9500$$

$$9.5\text{km} = 9500\text{m}$$

2. Conversion factor: **×1000**

$$7 \times 1000 = 7000$$

$$7\text{km} = 7000\text{m}$$

$$10.45 \times 1000 = 10\,450$$

$$10.45\text{km} = 10\,450\text{m}$$

3. Conversion factor: **×1000**

$$20 \times 1000 = 20\,000$$

$$20\text{km} = 20\,000\text{m}$$

$$1.5 \times 1000 = 1500$$

$$1.5\text{km} = 1500\text{m}$$

4. Conversion factor: **×1000**

$$0.25 \times 1000 = 250$$

$$0.25\text{km} = 250\text{m}$$

$$1.1 \times 1000 = 1100$$

$$1.1\text{km} = 1100\text{m}$$

5. Conversion factor: **÷1000**

$$5000 \div 1000 = 5$$

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

$$200 \div 1000 = 0.2$$

$$200\text{m} = 0.2\text{km}$$

6. Conversion factor: **÷1000**

$$3000 \div 1000 = 3$$

$$3000\text{m} = 3\text{km}$$

$$500 \div 1000 = 0.5$$

$$500\text{m} = 0.5\text{km}$$

7. Conversion factor: **÷1000**

$$900 \div 1000 = 0.9$$

$$900\text{m} = 0.9\text{km}$$

$$50 \div 1000 = 0.05$$

$$50\text{m} = 0.05\text{km}$$

8. Conversion factor: **÷1000**

$$2750 \div 1000 = 2.75$$

$$2750\text{m} = 2.75\text{km}$$

$$10 \div 1000 = 0.01$$

$$10\text{m} = 0.01\text{km}$$

Metric Conversion: **Millimetres (mm) and Centimetres (cm)**

1

**Hint: 10mm = 1cm**

Show how you calculated your answers:

What is the conversion factor?

\_\_\_\_\_

5cm = \_\_\_\_\_ mm

2.5cm = \_\_\_\_\_ mm

Metric Conversion: **Millimetres (mm) and Centimetres (cm)**

2

**Hint: 10mm = 1cm**

Show how you calculated your answers:

What is the conversion factor?

\_\_\_\_\_

4cm = \_\_\_\_\_ mm

1.2cm = \_\_\_\_\_ mm

Metric Conversion: **Millimetres (mm) and Centimetres (cm)**

3

**Hint: 10mm = 1cm**

Show how you calculated your answers:

What is the conversion factor?

\_\_\_\_\_

10cm = \_\_\_\_\_ mm

27cm = \_\_\_\_\_ mm

Metric Conversion: **Millimetres (mm) and Centimetres (cm)**

4

**Hint: 10mm = 1cm**

Show how you calculated your answers:

What is the conversion factor?

\_\_\_\_\_

11cm = \_\_\_\_\_ mm

0.5cm = \_\_\_\_\_ mm

Metric Conversion: **Millimetres (mm) and Centimetres (cm)**

5

**Hint: 10mm = 1cm**

Show how you calculated your answers:

What is the conversion factor?

\_\_\_\_\_

80mm = \_\_\_\_\_ cm

350cm = \_\_\_\_\_ cm

Metric Conversion: **Millimetres (mm) and Centimetres (cm)**

6

**Hint: 10mm = 1cm**

Show how you calculated your answers:

What is the conversion factor?

\_\_\_\_\_

75mm = \_\_\_\_\_ cm

1000mm = \_\_\_\_\_ cm

Metric Conversion: **Millimetres (mm) and Centimetres (cm)**

7

**Hint: 10mm = 1cm**

Show how you calculated your answers:

What is the conversion factor?

\_\_\_\_\_

550mm = \_\_\_\_\_ cm

9.5mm = \_\_\_\_\_ cm

Metric Conversion: **Millimetres (mm) and Centimetres (cm)**

8

**Hint: 10mm = 1cm**

Show how you calculated your answers:

What is the conversion factor?

\_\_\_\_\_

20.5mm = \_\_\_\_\_ cm

2mm = \_\_\_\_\_ cm

Metric Conversion: **Millimetres (mm)** and **Centimetres (cm)**

## Instructions

Work your way through the 8 cards.

Have a copy of the information card but turn it over when you are feeling more confident.

**Hint: 10mm = 1cm**



10mm is about the size of a large ant.

**Hint 1mm = 0.1cm**

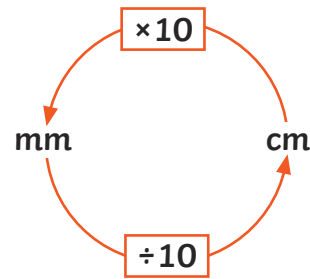
1mm is about the size of a dot you make on a piece of paper with a pencil.



Metric Conversion: **Millimetres (mm)** and **Centimetres (cm)**

## Information Card

To convert between **mm** and **cm**, you can use the arrows in the diagram to help you find the **conversion factor**.



### Example

Convert 10mm to cm

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

### Example

Convert 5cm to mm

$$5 \times 10 = 50\text{mm}$$

Metric Conversion: **Millimetres (mm)** and **Centimetres (cm)**

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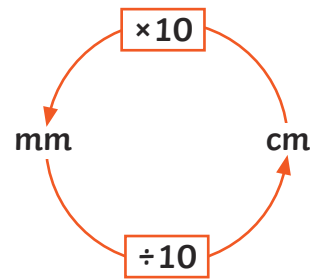
1mm is about the size of a dot you make on a piece of paper with a pencil.



Metric Conversion: **Millimetres (mm)** and **Centimetres (cm)**

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### Example

Convert 10mm to cm

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

### Example

Convert 5cm to mm

$$5 \times 10 = 50\text{mm}$$

Metric Conversion: **Millimetres (mm)** and **Centimetres (cm)**

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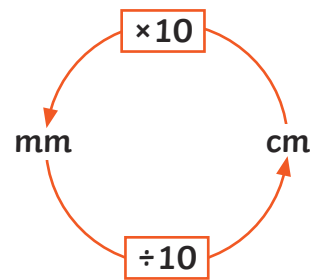
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Metric Conversion: **Millimetres (mm)** and **Centimetres (cm)**

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### Example

Convert 10mm to cm

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

### Example

Convert 5cm to mm

$$5 \times 10 = 50\text{mm}$$

Metric Conversion: **Millimetres (mm)** and **Centimetres (cm)**

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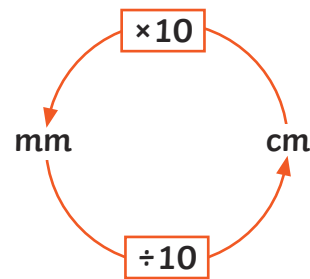
1mm is about the size of a dot you make on a piece of paper with a pencil.



Metric Conversion: **Millimetres (mm)** and **Centimetres (cm)**

## Information Card

To convert between **mm** and **cm**, you can use the arrows in the diagram to help you find the **conversion factor**.



### Example

Convert 10mm to cm

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

### Example

Convert 5cm to mm

$$5 \times 10 = 50\text{mm}$$

Metric Conversion: **Metres (m)** and **Kilometres (km)**

1

**Hint: 1000m = 1km**

Show how you calculated your answers:

What is the conversion factor?

\_\_\_\_\_

$6\text{km} = \text{ \_\_\_\_\_\_ } \text{ m}$

$9.5\text{km} = \text{ \_\_\_\_\_\_ } \text{ m}$

Metric Conversion: **Metres (m)** and **Kilometres (km)**

2

**Hint: 1000m = 1km**

Show how you calculated your answers:

What is the conversion factor?

\_\_\_\_\_

$7\text{km} = \text{ \_\_\_\_\_\_ } \text{ m}$

$10.45\text{km} = \text{ \_\_\_\_\_\_ } \text{ m}$

Metric Conversion: **Metres (m)** and **Kilometres (km)**

3

**Hint: 1000m = 1km**

Show how you calculated your answers:

What is the conversion factor?

\_\_\_\_\_

$20\text{km} = \text{ \_\_\_\_\_\_ } \text{ m}$

$1.5\text{km} = \text{ \_\_\_\_\_\_ } \text{ m}$

Metric Conversion: **Metres (m)** and **Kilometres (km)**

4

**Hint: 1000m = 1km**

Show how you calculated your answers:

What is the conversion factor?

\_\_\_\_\_

$0.25\text{km} = \text{ \_\_\_\_\_\_ } \text{ m}$

$1.1\text{km} = \text{ \_\_\_\_\_\_ } \text{ m}$

Metric Conversion: **Metres (m)** and **Kilometres (km)**

5

**Hint: 1000m = 1km**

Show how you calculated your answers:

What is the conversion factor?

\_\_\_\_\_

$5000\text{m} = \text{ \_\_\_\_\_\_ } \text{ km}$

$200\text{m} = \text{ \_\_\_\_\_\_ } \text{ km}$

Metric Conversion: **Metres (m)** and **Kilometres (km)**

6

**Hint: 1000m = 1km**

Show how you calculated your answers:

What is the conversion factor?

\_\_\_\_\_

$3000\text{m} = \text{ \_\_\_\_\_\_ } \text{ km}$

$500\text{m} = \text{ \_\_\_\_\_\_ } \text{ km}$

Metric Conversion: **Metres (m)** and **Kilometres (km)**

7

**Hint: 1000m = 1km**

Show how you calculated your answers:

What is the conversion factor?

\_\_\_\_\_

$900\text{m} = \text{ \_\_\_\_\_\_ } \text{ km}$

$50\text{m} = \text{ \_\_\_\_\_\_ } \text{ km}$

Metric Conversion: **Metres (m)** and **Kilometres (km)**

8

**Hint: 1000m = 1km**

Show how you calculated your answers:

What is the conversion factor?

\_\_\_\_\_

$2750\text{m} = \text{ \_\_\_\_\_\_ } \text{ km}$

$10\text{m} = \text{ \_\_\_\_\_\_ } \text{ km}$

Metric Conversion: **Metres (m) and Kilometres (km)**

## Instructions

Work your way through the 8 cards.

Have a copy of the information card but turn it over when you are feeling more confident.

**Hint: 1m = 0.001km**

1m is about the size of a toddler.

**Hint 1km = 1000m**

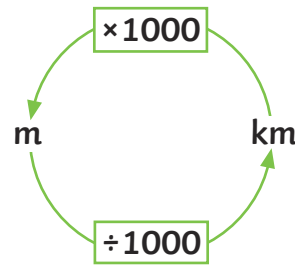
1km is 2.5 times around a school athletic track.



Metric Conversion: **Metres (m) and Kilometres (km)**

## Information Card

To convert between **m** and **km**, you can use the arrows in the diagram to help you find the **conversion factor**.



### Example

Convert 8000m to km

$$8000 \div 1000 = 8\text{km}$$

### Example

Convert 2km to m

$$2 \times 1000 = 2000\text{m}$$

Metric Conversion: **Metres (m) and Kilometres (km)**

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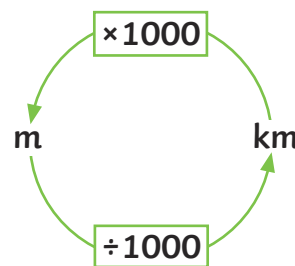
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Metric Conversion: **Metres (m) and Kilometres (km)**

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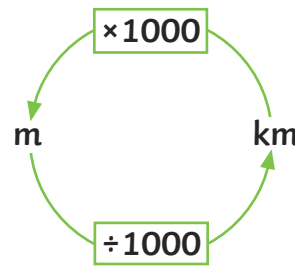
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Metric Conversion: **Metres (m) and Kilometres (km)**

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Metric Conversion: **Metres (m) and Kilometres (km)**

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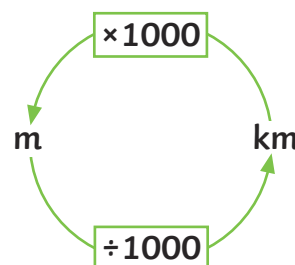
1km is 2.5 times around a school athletic track.



Metric Conversion: **Metres (m) and Kilometres (km)**

## Information Card

To convert between **m** and **km**, you can use the arrows in the diagram to help you find the **conversion factor**.



### Example

Convert 8000m to km

$$8000 \div 1000 = 8\text{km}$$

### Example

Convert 2km to m

$$2 \times 1000 = 2000\text{m}$$

Metric Conversion: **Centimetres (cm) and Metres (m)**

1

**Hint: 100cm = 1m**

Show how you calculated your answers:

What is the conversion factor?

\_\_\_\_\_

8m = \_\_\_\_\_ cm

3.5m = \_\_\_\_\_ cm

Metric Conversion: **Centimetres (cm) and Metres (m)**

2

**Hint: 100cm = 1m**

Show how you calculated your answers:

What is the conversion factor?

\_\_\_\_\_

6m = \_\_\_\_\_ cm

2.75m = \_\_\_\_\_ cm

Metric Conversion: **Centimetres (cm) and Metres (m)**

3

**Hint: 100cm = 1m**

Show how you calculated your answers:

What is the conversion factor?

\_\_\_\_\_

9.15m = \_\_\_\_\_ cm

4.2m = \_\_\_\_\_ cm

Metric Conversion: **Centimetres (cm) and Metres (m)**

4

**Hint: 100cm = 1m**

Show how you calculated your answers:

What is the conversion factor?

\_\_\_\_\_

20m = \_\_\_\_\_ cm

0.75m = \_\_\_\_\_ cm

Metric Conversion: **Centimetres (cm) and Metres (m)**

5

**Hint: 100cm = 1m**

Show how you calculated your answers:

What is the conversion factor?

\_\_\_\_\_

300cm = \_\_\_\_\_ m

890cm = \_\_\_\_\_ m

Metric Conversion: **Centimetres (cm) and Metres (m)**

6

**Hint: 100cm = 1m**

Show how you calculated your answers:

What is the conversion factor?

\_\_\_\_\_

900cm = \_\_\_\_\_ m

1500cm = \_\_\_\_\_ m

Metric Conversion: **Centimetres (cm) and Metres (m)**

7

**Hint: 100cm = 1m**

Show how you calculated your answers:

What is the conversion factor?

\_\_\_\_\_

495cm = \_\_\_\_\_ m

40cm = \_\_\_\_\_ m

Metric Conversion: **Centimetres (cm) and Metres (m)**

8

**Hint: 100cm = 1m**

Show how you calculated your answers:

What is the conversion factor?

\_\_\_\_\_

15cm = \_\_\_\_\_ m

1000cm = \_\_\_\_\_ m

Metric Conversion: Centimetres (cm) and Metres (m)

### Instructions

Work your way through the 8 cards.

Have a copy of the information card but turn it over when you are feeling more confident.

**Hint: 100cm = 1m**

1m is about the size of a toddler.

**Hint 1cm = 0.01m**

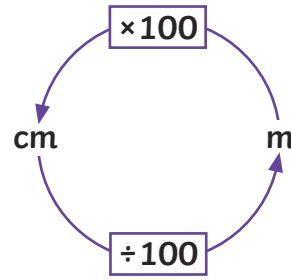
1cm is about the width of a pencil.



Metric Conversion: Centimetres (cm) and Metres (m)

### Information Card

To convert between **cm** and **m**, you can use the arrows in the diagram to help you find the **conversion factor**.



#### Example

Convert 500cm to m

$$500 \div 100 = 5\text{m}$$

#### Example

Convert 6m to cm

$$6 \times 100 = 600\text{cm}$$

Metric Conversion: Centimetres (cm) and Metres (m)

### Instructions

Work your way through the 8 cards.

Have a copy of the information card but turn it over when you are feeling more confident.

**Hint: 100cm = 1m**

1m is about the size of a toddler.

**Hint 1cm = 0.01m**

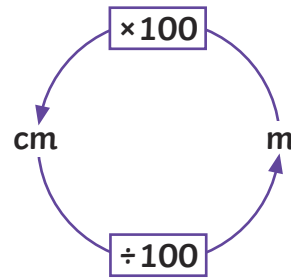
1cm is about the width of a pencil.



Metric Conversion: Centimetres (cm) and Metres (m)

### Information Card

To convert between **cm** and **m**, you can use the arrows in the diagram to help you find the **conversion factor**.



#### Example

Convert 500cm to m

$$500 \div 100 = 5\text{m}$$

#### Example

Convert 6m to cm

$$6 \times 100 = 600\text{cm}$$

Metric Conversion: Centimetres (cm) and Metres (m)

### Instructions

Work your way through the 8 cards.

Have a copy of the information card but turn it over when you are feeling more confident.

**Hint: 100cm = 1m**

1m is about the size of a toddler.

**Hint 1cm = 0.01m**

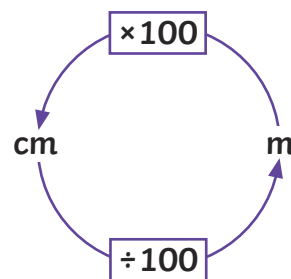
1cm is about the width of a pencil.



Metric Conversion: Centimetres (cm) and Metres (m)

### Information Card

To convert between **cm** and **m**, you can use the arrows in the diagram to help you find the **conversion factor**.



#### Example

Convert 500cm to m

$$500 \div 100 = 5\text{m}$$

#### Example

Convert 6m to cm

$$6 \times 100 = 600\text{cm}$$

Metric Conversion: Centimetres (cm) and Metres (m)

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Work your way through the 8 cards.

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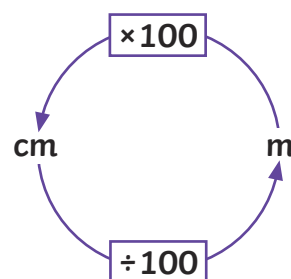
1cm is about the width of a pencil.



Metric Conversion: Centimetres (cm) and Metres (m)

### Information Card

To convert between **cm** and **m**, you can use the arrows in the diagram to help you find the **conversion factor**.



#### Example

Convert 500cm to m

$$500 \div 100 = 5\text{m}$$

#### Example

Convert 6m to cm

$$6 \times 100 = 600\text{cm}$$