



## Meter to Centimeter Conversion

**FREE Worksheet - 1**

**Time: 10 minutes**

(Detailed solutions at the end)

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1. Write in metres and centimetres.

$$701 \text{ cm} = \underline{\quad} \text{ m } \underline{\quad} \text{ cm}$$

2. The ceiling is 338 cm high.

What is the height of the ceiling in metres and centimetres?

Answer:        m        cm

3. Ellie installs two poles in the ground 2 m 0 cm apart.

What is the distance between the poles in centimetres?

Answer:        cm



4. Paige has a lace of length 3 m and 71 cm.

What is the length of the lace in centimetres?

Answer: \_\_\_\_\_ cm

5. A boy flung a pebble into the water and it landed 491 cm away.

What was this distance in metres and centimetres?

Answer: \_\_\_\_\_ m \_\_\_\_\_ cm



## SOLUTIONS

### Problem 1

We know,

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

So,

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

$$\begin{aligned} 701 \text{ cm} &= 700 \text{ cm} + 1 \text{ cm} \\ &= 7 \text{ m} + 1 \text{ cm} \\ &= \mathbf{7 \text{ m } 1 \text{ cm}} \end{aligned}$$

### Problem 2

We know,

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

So,

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

$$\begin{aligned} 338 \text{ cm} &= 300 \text{ cm} + 38 \text{ cm} \\ &= 3 \text{ m} + 38 \text{ cm} \\ &= 3 \text{ m } 38 \text{ cm} \end{aligned}$$

The height of the ceiling is **3 m 38 cm**.



**Problem 3**

We know,

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

So,

$$2 \text{ m} = 200 \text{ cm}$$

$$\begin{aligned} 2 \text{ m } 0 \text{ cm} &= 2 \text{ m} + 0 \text{ cm} \\ &= 200 \text{ cm} + 0 \text{ cm} \\ &= 200 \text{ cm} \end{aligned}$$

The distance between the poles is **200 cm**.

**Problem 4**

We know,

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

So,

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

$$\begin{aligned} 3 \text{ m } 71 \text{ cm} &= 3 \text{ m} + 71 \text{ cm} \\ &= 300 \text{ cm} + 71 \text{ cm} \\ &= 371 \text{ cm} \end{aligned}$$

The length of the lace is **371 cm**.



**Problem 5**

*We know,*

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

*So,*

$$400 \text{ cm} = 4 \text{ m}$$

$$\begin{aligned} 491 \text{ cm} &= 400 \text{ cm} + 91 \text{ cm} \\ &= 4 \text{ m} + 91 \text{ cm} \\ &= 4 \text{ m } 91 \text{ cm} \end{aligned}$$

The distance was **4 m 91 cm**.