



Meter to Centimeter Conversion

FREE Worksheet - 4

Time: 10 minutes

(Detailed solutions at the end)

1. Gina places two shelves 6 m 35 cm apart.

What is the distance between the shelves in centimetres?

Answer: _____ cm

2. The distance between two horses on a farm is 462 cm.

Express this distance in metres and centimetres.

Answer: _____ m _____ cm

3. Rowan has a plastic rope that is 462 cm long.

Express the length of the plastic rope in metres and centimetres?

Answer: _____ m _____ cm



4. A baby crawled 480 cm to a toy.

How many metres and centimetres did she crawl?

Answer: _____ m _____ cm

5. A mat is 223 cm long.

What is the length of the mat in metres and centimetres?

Answer: _____ m _____ cm



SOLUTIONS

Problem 1

We know,

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

So,

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

$$\begin{aligned} 6 \text{ m } 35 \text{ cm} &= 6 \text{ m} + 35 \text{ cm} \\ &= 600 \text{ cm} + 35 \text{ cm} \\ &= \mathbf{635 \text{ cm}} \end{aligned}$$

The distance between the shelves is **635 cm**.

Problem 2

We know,

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

So,

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

$$\begin{aligned} 462 \text{ cm} &= 400 \text{ cm} + 62 \text{ cm} \\ &= 4 \text{ m} + 62 \text{ cm} \\ &= \mathbf{4 \text{ m } 62 \text{ cm}} \end{aligned}$$



Problem 3

We know,

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

So,

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

$$\begin{aligned} 462 \text{ cm} &= 400 \text{ cm} + 62 \text{ cm} \\ &= 4 \text{ m} + 62 \text{ cm} \\ &= 4 \text{ m } 62 \text{ cm} \end{aligned}$$

The length of the plastic rope is **4 m 62 cm**.

Problem 4

We know,

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

So,

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

$$\begin{aligned} 480 \text{ cm} &= 400 \text{ cm} + 80 \text{ cm} \\ &= 4 \text{ m} + 80 \text{ cm} \\ &= 4 \text{ m } 80 \text{ cm} \end{aligned}$$

She crawled **4 m 80 cm**.



Problem 5

We know,

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

So,

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

$$\begin{aligned} 223 \text{ cm} &= 200 \text{ cm} + 23 \text{ cm} \\ &= 2 \text{ m} + 23 \text{ cm} \\ &= 2 \text{ m } 23 \text{ cm} \end{aligned}$$

The length of the mat is **2 m 23 cm**.