



Meters and Centimeters



Watch video

MathApex

Name: _____

Date: _____

From the video 1 m = 100 cm, 30 cm sawn off → $100 - 30 = 70$ cm**1 Now it's your turn!**

A board is 2 m long. Dad saws off 65 cm. How many centimeters are left?

2 m = 200 cm. Then calculate in cm.

$$200 - 65 = \boxed{} \text{ cm}$$

3 Other units.

1 kg = 1000 g, 1 l = 1000 ml, 1 m = 100 cm, 1 km = 1000 m.

$$5 \text{ kg} = \boxed{} \text{ g}$$

$$3 \text{ l} = \boxed{} \text{ ml}$$

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

5 Think backwards.

3 identical pieces are 1800 cm long altogether. How long is one piece?

$$1800 \div 3 = \boxed{} \text{ cm}$$

6 The units chart.

	m	cm
305 cm		
125 cm		
875 cm		
460 cm		

Split each amount into m and cm.

2 m and cm.

1 m = 100 cm. Convert.

	cm
5 m 5 cm	
2 m 250 cm	
4 m	

	m	cm
350 cm		
120 cm		
400 cm		

4 Calculate with units.

a) 5 m 100 cm + 2 m 600 cm =

$$\boxed{} \text{ cm}$$

b) 4 m + 2 m 500 cm =

$$\boxed{} \text{ cm}$$

Tip: convert everything to cm.

★ Brain teaser

A board is 3 m 75 cm long. How long are 2 boards?
Write the result in m and cm.



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**1** Now it's your turn!

$$200 - 65 = 135 \text{ cm}$$

2 m and cm.

$$5 \text{ m } 5 \text{ cm} = 505 \text{ cm}$$

$$2 \text{ m } 250 \text{ cm} = 450 \text{ cm}$$

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

$$350 \text{ cm} = 3 \text{ m } 50 \text{ cm}$$

$$120 \text{ cm} = 1 \text{ m } 20 \text{ cm}$$

$$400 \text{ cm} = 4 \text{ m } 0 \text{ cm}$$

3 Other units.

$$5 \text{ kg} = 5000 \text{ g} \quad 3 \text{ l} = 3000 \text{ ml} \quad 7 \text{ km} = 7000 \text{ m}$$

4 Calculate with units.

$$600 + 800 = 1400 \text{ cm}$$

$$400 + 700 = 1100 \text{ cm}$$

5 Think backwards.

$$1800 \div 3 = 600 \text{ cm}$$

★ Brain teaser

$$750 \text{ cm} = 7 \text{ m } 50 \text{ cm}$$

6 The units chart.

$$305 \text{ cm} = 3 \text{ m } 5 \text{ cm} \quad 125 \text{ cm} = 1 \text{ m } 25 \text{ cm}$$

$$875 \text{ cm} = 8 \text{ m } 75 \text{ cm} \quad 460 \text{ cm} = 4 \text{ m } 60 \text{ cm}$$

For parents and teachers: This worksheet goes with the video "Meters and Centimeters" (Math Story 86, Grade 4). Converting units: $1 \text{ m} = 100 \text{ cm}$. Convert mixed amounts to the small unit first, then calculate, and convert back at the end.

More Math Stories with video and worksheet: www.mathapex.app/en/math-stories/