



Liters and Milliliters



Watch video

MathApex

Name: _____

Date: _____

From the video 4 glasses of 250 ml each $\rightarrow 4 \times 250 = 1000 \text{ ml} = 1 \text{ l}$ **1 Now it's your turn!**

How many liters of soup do we need for 8 bowls of 250 ml?

First find the total in ml, then change it to l: $1000 \text{ ml} = 1 \text{ l}$.

$$8 \times 250 = \boxed{} \text{ ml} = \boxed{} \text{ l}$$

3 Other units.

$1 \text{ kg} = 1000 \text{ g}$, $1 \text{ l} = 1000 \text{ ml}$, $1 \text{ m} = 100 \text{ cm}$, $1 \text{ km} = 1000 \text{ m}$.

$$3 \text{ kg} = \boxed{} \text{ g}$$

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

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

5 Think backwards.

3 identical bottles hold 1800 ml altogether. How much is in one?

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

6 The units chart.

	l	ml
8750 ml		
1250 ml		
2070 ml		
4600 ml		

Split each amount into l and ml.

2 l and ml.

$1 \text{ l} = 1000 \text{ ml}$. Convert.

	ml
1 l 500 ml	
2 l 250 ml	
5 l 5 ml	

	l	ml
4000 ml		
1200 ml		
2050 ml		

4 Calculate with units.

a) $2 \text{ l } 750 \text{ ml} + 1 \text{ l } 250 \text{ ml} =$

$$\boxed{} \text{ ml}$$

b) $3 \text{ l } 250 \text{ ml} + 1 \text{ l } 500 \text{ ml} =$

$$\boxed{} \text{ ml}$$

Tip: convert everything to ml.

★ Brain teaser

A jug holds 4 l 250 ml. How much do 2 jugs hold?
Write the result in l and ml.



Liters and Milliliters

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

$$8 \times 250 = 2000 \text{ ml} = 2 \text{ l}$$

2 l and ml.

$$1 \text{ l } 500 \text{ ml} = 1500 \text{ ml} \quad 2 \text{ l } 250 \text{ ml} = 2250 \text{ ml}$$

$$5 \text{ l } 5 \text{ ml} = 5005 \text{ ml} \quad 4000 \text{ ml} = 4 \text{ l } 0 \text{ ml}$$

$$1200 \text{ ml} = 1 \text{ l } 200 \text{ ml} \quad 2050 \text{ ml} = 2 \text{ l } 50 \text{ ml}$$

3 Other units.

$$3 \text{ kg} = 3000 \text{ g} \quad 2 \text{ m} = 200 \text{ cm} \quad 3 \text{ km} = 3000 \text{ m}$$

4 Calculate with units.

$$2750 + 1250 = 4000 \text{ ml}$$

$$3250 + 1500 = 4750 \text{ ml}$$

5 Think backwards.

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

★ Brain teaser

$$8500 \text{ ml} = 8 \text{ l } 500 \text{ ml}$$

6 The units chart.

$$8750 \text{ ml} = 8 \text{ l } 750 \text{ ml} \quad 1250 \text{ ml} = 1 \text{ l } 250 \text{ ml}$$

$$2070 \text{ ml} = 2 \text{ l } 70 \text{ ml} \quad 4600 \text{ ml} = 4 \text{ l } 600 \text{ ml}$$

For parents and teachers: This worksheet goes with the video "Liters and Milliliters" (Math Story 76, Grade 4).
Converting units: 1 l = 1000 ml. 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/