



Kilograms and Grams



Watch video

MathApex

Name: _____

Date: _____

From the video 4 sacks of 1 kg 500 g each $\rightarrow 4 \text{ kg} + 2000 \text{ g} \rightarrow 4 + 2 = 6 \text{ kg}$ **1 Now it's your turn!**

6 sacks weigh 1 kg 500 g each. How many kilograms in all?

6 times 1 kg is 6 kg. 6 times 500 g is 3000 g = 3 kg.

$$6 + 3 = \boxed{} \text{ kg}$$

3 Other units.

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

$$7 \text{ l} = \boxed{} \text{ ml}$$

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

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

5 Think backwards.

3 identical parcels weigh 1800 g altogether. How much does one weigh?

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

6 The units chart.

	kg	g
2070 g		
1250 g		
4600 g		
8750 g		

Split each amount into kg and g.

2 kg and g.

1 kg = 1000 g. Convert.

	g
1 kg 20 g	
2 kg 250 g	
1 kg 500 g	

	kg	g
1200 g		
7500 g		
4000 g		

4 Calculate with units.

a) 5 kg 100 g + 2 kg 600 g =

$$\boxed{} \text{ g}$$

b) 4 kg + 2 kg 500 g =

$$\boxed{} \text{ g}$$

Tip: convert everything to g.

★ Brain teaser

A parcel weighs 4 kg 250 g. How much do 2 parcels weigh? Write the result in kg and g.



Kilograms and Grams

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

$$6 \text{ kg} + 3 \text{ kg} = 9 \text{ kg}$$

2 kg and g.

$$1 \text{ kg } 20 \text{ g} = 1020 \text{ g}$$

$$2 \text{ kg } 250 \text{ g} = 2250 \text{ g}$$

$$1 \text{ kg } 500 \text{ g} = 1500 \text{ g}$$

$$1200 \text{ g} = 1 \text{ kg } 200 \text{ g}$$

$$7500 \text{ g} = 7 \text{ kg } 500 \text{ g}$$

$$4000 \text{ g} = 4 \text{ kg } 0 \text{ g}$$

3 Other units.

$$7 \text{ l} = 7000 \text{ ml} \quad 3 \text{ m} = 300 \text{ cm} \quad 7 \text{ km} = 7000 \text{ m}$$

4 Calculate with units.

$$5100 + 2600 = 7700 \text{ g}$$

$$4000 + 2500 = 6500 \text{ g}$$

5 Think backwards.

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

★ Brain teaser

$$8500 \text{ g} = 8 \text{ kg } 500 \text{ g}$$

6 The units chart.

$$2070 \text{ g} = 2 \text{ kg } 70 \text{ g} \quad 1250 \text{ g} = 1 \text{ kg } 250 \text{ g}$$

$$4600 \text{ g} = 4 \text{ kg } 600 \text{ g} \quad 8750 \text{ g} = 8 \text{ kg } 750 \text{ g}$$

For parents and teachers: This worksheet goes with the video "Kilograms and Grams" (Math Story 75, Grade 4).
Converting units: $1 \text{ kg} = 1000 \text{ g}$. 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/