The Empty Crate

MathApex

Name: _____ Date: _____

Watch video

From the video 5 kg − 1 kg 500 g = 5000 g − 1500 g = **3500 g**

1 Now it's your turn!

A full crate weighs 9 kg, the empty crate 1 kg 500 g. How many grams do the apples weigh?

9 kg = 9000 g, 1 kg 500 g = 1500 g.

9000 − 1500 = ☐ **g**

2 kg and g.

1 kg = 1000 g. Convert.

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

	kg	g
1200 g		
7500 g		
2050 g		

3 Other units.

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

3 l = ☐ **ml**

2 m = ☐ **cm**

5 km = ☐ **m**

4 Calculate with units.

a) 4 kg + 2 kg 500 g =

☐ **g**

b) 3 kg 250 g + 1 kg 500 g =

☐ **g**

Tip: convert everything to g.

5 Think backwards.

5 identical parcels weigh 3000 g altogether. How much does one weigh?

3000 ÷ 5 = ☐ **g**

★ Brain teaser

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

_____

_____

6 The units chart.

	kg	g
1250 g		
2070 g		
4600 g		
3005 g		

Split each amount into kg and g.

MathApex

MATH STORY 91 · ANSWERS

The Empty Crate

Watch video

1 Now it's your turn!

9000 − 1500 = 7500 g = 7 kg 500 g

2 kg and g.

1 kg 20 g = 1020 g
2 kg 250 g = 2250 g
7500 g = 7 kg 500 g
1 kg 500 g = 1500 g
1200 g = 1 kg 200 g
2050 g = 2 kg 50 g

3 Other units.

3 l = 3000 ml
2 m = 200 cm
5 km = 5000 m

4 Calculate with units.

4000 + 2500 = 6500 g
3250 + 1500 = 4750 g

5 Think backwards.

3000 ÷ 5 = 600 g

★ Brain teaser

8500 g = 8 kg 500 g

6 The units chart.

1250 g = 1 kg 250 g
2070 g = 2 kg 70 g
4600 g = 4 kg 600 g
3005 g = 3 kg 5 g

For parents and teachers: This worksheet goes with the video "The Empty Crate" (Math Story 91, Grade 4). Converting units: 1 kg = 1000 g. Convert mixed amounts to the small unit first, then calculate, and convert back at the end.

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