



Watch video

MathApex

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**From the video** 1 km 200 m = 1200 m, there and back →  $1200 \times 2 = 2400$  m**1 Now it's your turn!**

Lena's way to school is 2 km 300 m long. How many meters does she walk there and back?

2 km 300 m = 2300 m. There and back is double.

$$2300 \times 2 = \boxed{\phantom{000}} \text{ m}$$

**3 Other units.**

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

$$7 \text{ kg} = \boxed{\phantom{000}} \text{ g}$$

$$2 \text{ l} = \boxed{\phantom{000}} \text{ ml}$$

$$2 \text{ m} = \boxed{\phantom{000}} \text{ cm}$$

**5 Think backwards.**

5 identical pieces are 3000 m long altogether. How long is one piece?

$$3000 \div 5 = \boxed{\phantom{000}} \text{ m}$$

**6 The units chart.**

|        | km | m |
|--------|----|---|
| 4600 m |    |   |
| 8750 m |    |   |
| 1250 m |    |   |
| 3005 m |    |   |

Split each amount into km and m.

**2 km and m.**

1 km = 1000 m. Convert.

|           | m |
|-----------|---|
| 4 km      |   |
| 5 km 5 m  |   |
| 3 km 50 m |   |

|        | km | m |
|--------|----|---|
| 7500 m |    |   |
| 1200 m |    |   |
| 3500 m |    |   |

**4 Calculate with units.**

a) 3 km 250 m + 1 km 500 m =

$$\boxed{\phantom{000}} \text{ m}$$

b) 2 km 750 m + 1 km 250 m =

$$\boxed{\phantom{000}} \text{ m}$$

Tip: convert everything to m.

**★ Brain teaser**

A path is 4 km 250 m long. How long are 2 such paths? Write the result in km and m.

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# There and Back

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

$$2300 \times 2 = 4600 \text{ m} = 4 \text{ km } 600 \text{ m}$$

**2** km and m.

$$4 \text{ km} = 4000 \text{ m}$$

$$3 \text{ km } 50 \text{ m} = 3050 \text{ m}$$

$$1200 \text{ m} = 1 \text{ km } 200 \text{ m}$$

$$5 \text{ km } 5 \text{ m} = 5005 \text{ m}$$

$$7500 \text{ m} = 7 \text{ km } 500 \text{ m}$$

$$3500 \text{ m} = 3 \text{ km } 500 \text{ m}$$

**3** Other units.

$$7 \text{ kg} = 7000 \text{ g} \quad 2 \text{ l} = 2000 \text{ ml} \quad 2 \text{ m} = 200 \text{ cm}$$

**4** Calculate with units.

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

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

**5** Think backwards.

$$3000 \div 5 = 600 \text{ m}$$

**★** Brain teaser

$$8500 \text{ m} = 8 \text{ km } 500 \text{ m}$$

**6** The units chart.

$$4600 \text{ m} = 4 \text{ km } 600 \text{ m} \quad 8750 \text{ m} = 8 \text{ km } 750 \text{ m}$$

$$1250 \text{ m} = 1 \text{ km } 250 \text{ m} \quad 3005 \text{ m} = 3 \text{ km } 5 \text{ m}$$

**For parents and teachers:** This worksheet goes with the video "There and Back" (Math Story 90, Grade 4). Converting units:  $1 \text{ km} = 1000 \text{ m}$ . Convert mixed amounts to the small unit first, then calculate, and convert back at the end.

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