

Worksheet

Answer the questions on this worksheet in the boxes next to the challenge questions.

Remember:

The tasks are arranged in 3 challenges that get progressively more difficult.

- Challenge 1 is a “mild” challenge, if you are not confident
- Challenge 2 is “spicy”, a little bit more challenging, if you are feeling confident and find the first challenge too easy.
- Challenge 3 is “hot”. The questions are designed to challenge you and can be tricky.

You can choose to do just one challenge or more than one, it is up to you. As a guide, if you are consistently getting everything correct, you should move up a challenge. If you are struggling on every question; move down a challenge.

Challenge 1:

Question	Answer
<p>1. Complete the stem sentences below:</p> <p>To convert kilometres to metres, _____ by _____.</p> <p>To convert metres to kilometres, _____ by _____.</p> <p>To convert grams to kilograms, _____ by _____.</p> <p>To convert kilograms to grams, _____ by _____.</p>	

2.

The bar model shows that 1 kg is equal to 1,000 g.

1 kg
1,000 g

Use the bar models to complete the conversions.

a)

1 kg	1 kg	1 kg

 3 kg = g

b)

1 kg	1 kg	1 kg	1 kg	1 kg

 5 kg = g

c)

1,000 g	1,000 g	1,000 g	1,000 g

 kg = 4,000 g

3.

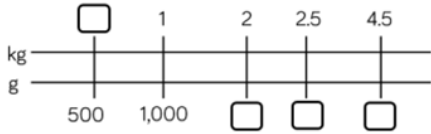
Complete the stem sentence.
Then, convert the measures.

There are metres in one kilometre.

1.34km = m 861m = km

m = 3.5km km = 9,075m

Challenge 2:

Question	Answer
<p>1.</p> <p>Find the missing values on the double number line.</p>  <p>Write your conversions as sentences.</p>	

2.

Complete the stem sentence.
Then, convert the measures.

There are _____ grams in one kilogram.

$$0.452\text{kg} = \text{_____ g} \quad 7,680\text{g} = \text{_____ kg}$$

$$\text{_____ g} = 10.215\text{kg} \quad \text{_____ kg} = 293.5\text{g}$$

$$\frac{3}{4} \text{ kg} = \text{_____ g} \quad 1\frac{4}{10} \text{ kg} = \text{_____ g}$$

3.


After school, Millie walked 1.358km to the café.

Then she walked a further 2,045m home.



How far did she walk in total? Give your answer in m and km!

Challenge 3:

Question	Answer
<p>1.</p> <p>Compare the measurements using <, > or =</p> <p>5 kg ○ 4,500 g 12 kg ○ 12,000 g</p> <p>3.7 km ○ 370 m 37,000 m ○ 3.7 km</p>	
<p>2.</p> <p>Jerry's walk to school is 0.98 kilometres.</p>  <p>What distance would he cover in a week walking to and from school? Give your answer in metres.</p>	
<p>3.</p>	

The cost of potatoes differs in two local shops.

Farm Shop

£1.08 for a
0.9kg bag



**LowCo
Supermarket**

77p per 700g

Which potatoes are better value for money?

Convince me!