




















Measurement: Converting Metres and Kilometres

Aim: Convert between different units of measure [for example, kilometre to metre]. To convert between metres and kilometres.	Success Criteria: I can convert from metres to kilometres by dividing by 1000. I can convert from kilometres to metres by multiplying by 1000.	Resources: Lesson Pack Whiteboards and pens – class set
	Key/New Words: Measurement, length, metre, kilometre.	Preparation: Differentiated Converting Length Units Speed Sheet – one per child Differentiated Converting Kilometres and Metres Activity Sheet – one per child Diving into Mastery Activity Sheets – as required

Prior Learning: It will be helpful if children have learned how to convert between millimetres, centimetres and metres (covered in [Converting Length Lesson 1: Converting Millimetres, Centimetres, Metres](#)).

Learning Sequence

	Remember It: Children complete the differentiated Converting Length Units Speed Sheet . Start timing. When two minutes have passed, tell the children to stop. The answer sheets can be given for children to mark their own or a partner's work.	
	Kilometres to Metres: Children convert kilometres to metres by multiplying by 1000, starting at 1km and going up to 10km. The Lesson Presentation shows the distances away from school that a group of children live. The distances are written in metres and in kilometres and metres. Children order the distances from nearest to furthest away from school. Can children convert kilometres to metres by multiplying by 1000?	
	Metres to Kilometres: Use the Lesson Presentation to demonstrate how to convert from metres to kilometres, by dividing by 1000. In pairs, children convert metres into kilometres and metres by dividing by 1000. Can children convert from metres to kilometres by dividing by 1000?	
	Comparing and Ordering: Children compare two measurements using $<$, $>$ or $=$. In each pair, one measurement is written in kilometres and metres, the other in metres. They order six measurements from shortest to longest.	
	Converting Kilometres and Metres: Children complete the differentiated Converting Kilometres and Metres Activity Sheet , converting from metres to kilometres and vice versa.	
	Children convert kilometres to metres (up to 10km) and metres to kilometres (below 10m). They compare two measurements using $<$, $>$ or $=$. The measurements involved are in multiples of two hundred and fifty.	
	Children convert kilometres to metres (up to 10km) and metres to kilometres (up to 12km). In the context of distances within a town, they compare two measurements using $<$ or $>$. They order places by distance from the town hall from nearest to furthest away. The measurements involved are in multiples of five.	
	Children convert kilometres to metres (up to 15km) and metres to kilometres (up to 20km). In the context of distances a cyclist covers over a week, they compare two measurements using $<$ or $>$. They order places by distance, from greatest distance to shortest distance cycled.	

	<p>Diving into Mastery: Schools using a mastery approach may prefer to use the following as an alternative activity. These sheets might not necessarily be used in a linear way. Some children might begin at the 'Deeper' section and in fact, others may 'dive straight in' to the 'Deepest' section if they have already mastered the skill and are applying this to show their depth of understanding.</p> <p> Children compare measurements written in metres, in kilometres and metres and in fractional quantities. They decide whether statements are true or false, justifying their answers.</p> <p> Children show their depth of understanding by answering more complex problems. They create their own questions using the measurements provided.</p>	
	<p>Wayne's Walking Week: In pairs, children solve a length problem which involves adding several measurements that are in metres and converting the answer to kilometres and metres.</p>	

Exploreit

Makeit: Children make their own set of pairs cards. Each card has an equivalent pair – one has a length measurement written in kilometres and metres, the other in metres. Children pass their set of cards to another group to play a game of pairs.

Practiseit: Children complete the [Using Fractions to Record Length Sheet](#), converting kilometres to metres. Fractions of a kilometre are used.

Learnit: Children will enjoy using this [Knowledge Organiser](#) to support their understanding of measurement.



Maths

Measurement

Converting Metres and Kilometres



Aim

- To convert between metres and kilometres.

Success Criteria

- I can convert from metres to kilometres by dividing by 1000.
- I can convert from kilometres to metres by multiplying by 1000.

Remember It

?

Can you remember how to convert between millimetres, centimetres and metres?

How many millimetres are in a centimetre?

10mm = 1cm

How many centimetres are in a metre?

100cm = 1m

Complete as many questions as you can on the **Converting Length Units Speed Sheet**. You have two minutes! Click the timer to start.

Time's Up!



Kilometres to Metres

A kilometre is made up of 1000 metres.
How many metres are there in these measurements?

2km

3km

4km

5km

6km

7km

8km

9km

10km

2000m

3000m

4000m

5000m

6000m

7000m

8000m

9000m

10 000m

What calculation do we need to convert from kilometres to metres?

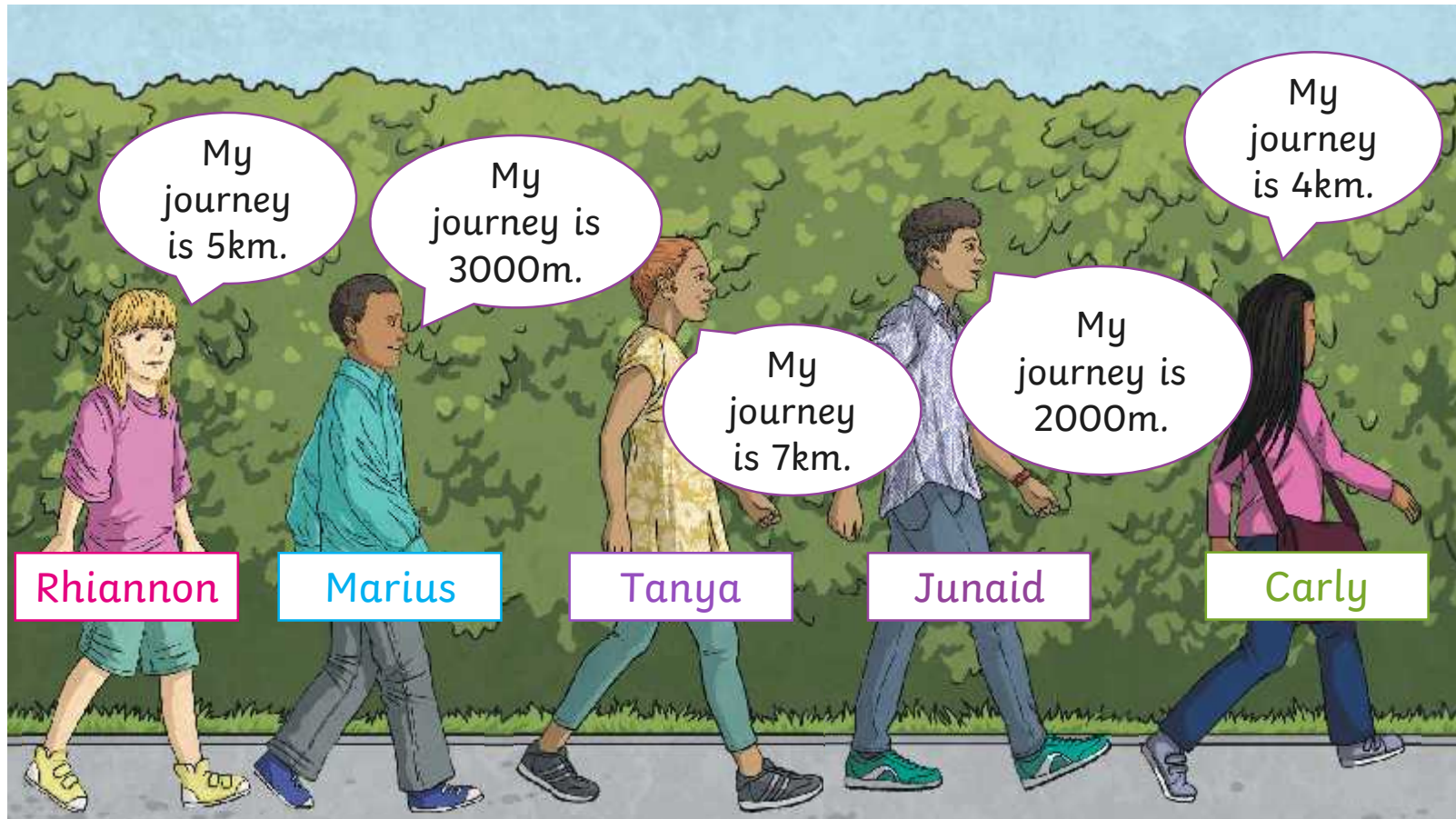
We need to multiply the number of kilometres by 1000.

What do you notice about the answers?

Metres are smaller than kilometres. A kilometre is one thousand times larger than a metre.

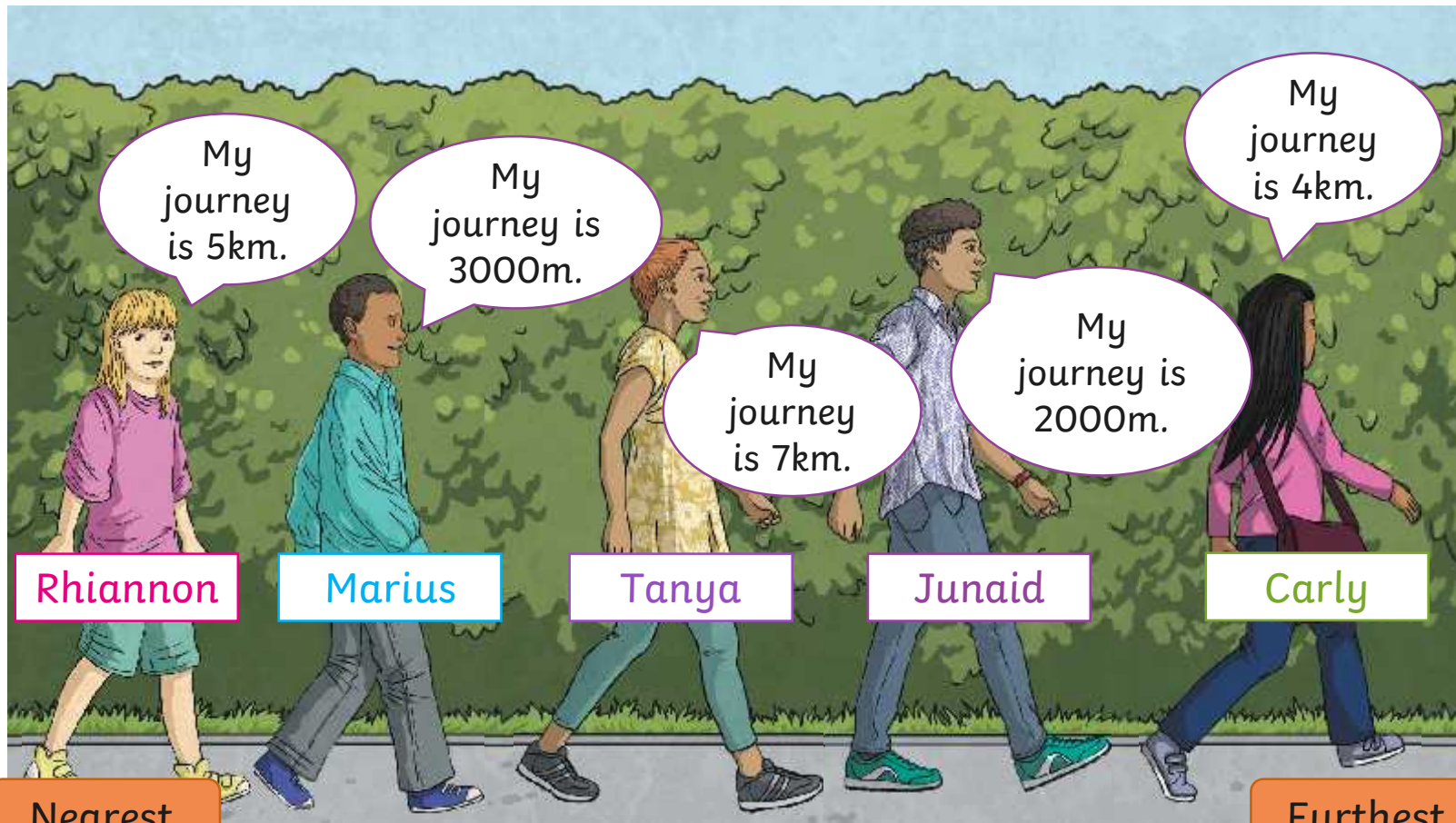
Kilometres to Metres

A group of children in Class 4W measured the distance of their journey from home to school. Some children said the distance in metres and some in kilometres.



Kilometres to Metres

Order the children's journeys from nearest to school to furthest from school.



Junaid

Marius

Carly

Rhiannon

Tanya

Metres to Kilometres

To convert metres to kilometres, we use the inverse operation and **divide** the number of metres by 1000:

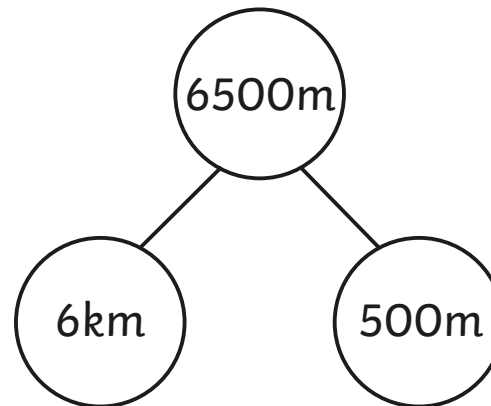
$$5000\text{m} \div 1000 = 5\text{km}$$

What happens if the amount is not a multiple of 1000?

$$6500\text{m} \div 1000 = ?$$

This would be 6 whole kilometres and 500 metres = 6km 500m

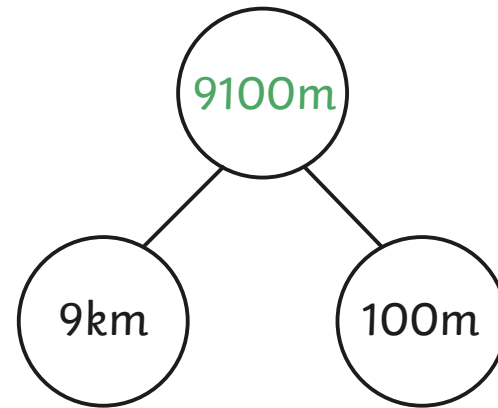
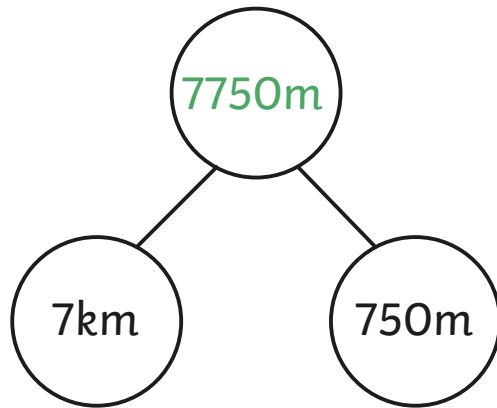
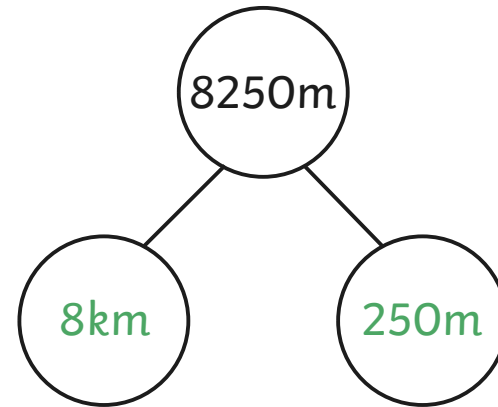
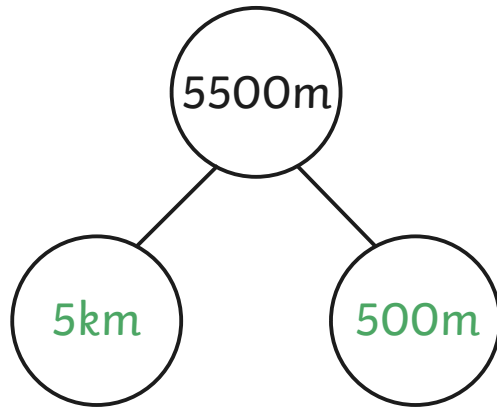
$$6\text{km } 500\text{m}$$



Metres to Kilometres



Draw and complete these part-whole models.



Metres to Kilometres



Convert these metre measurements to kilometres and metres.

Metres	Kilometres and Metres
6000m	6km
4500m	4km 500m
6250m	6km 250m
8000m	8km
2750m	2km 750m
3000m	3km
9500m	9km 500m

Comparing and Ordering

Use $<$, $>$ or $=$ to compare the measurements.

5000m

$>$

3km 750m

Comparing and Ordering

Use $<$, $>$ or $=$ to compare the measurements.

2300m

$<$

4km

Comparing and Ordering

Use $<$, $>$ or $=$ to compare the measurements.

4km

$<$

4250m

Comparing and Ordering

Use $<$, $>$ or $=$ to compare the measurements.

6250m

$=$

6km 250m

Comparing and Ordering

Use $<$, $>$ or $=$ to compare the measurements.

8km 475m

$<$

9750m

Comparing and Ordering

Use $<$, $>$ or $=$ to compare the measurements.

2km 300m

$>$

2250m

Comparing and Ordering

Use $<$, $>$ or $=$ to compare the measurements.

8km 475m

$<$

9750m

Comparing and Ordering

Order these measurements from shortest to longest.

6000m

3km 250m

2750m

2km 195m

3050m

4km 295m

Converting Kilometres and Metres

Converting Kilometres and Metres

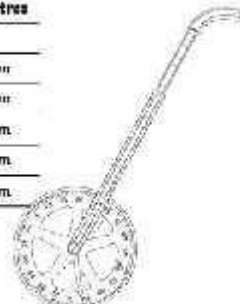
To convert between metres and kilometres:

1. Complete the tables to show how many metres there are in these measurements:

Kilometres	Metres	Kilometres and Metres	Metres
6km	_____ m	8km 80m	_____ m
9km	_____ m	10km 500m	_____ m
14km	_____ m	11km 578m	_____ m
5km	_____ m	7km 738m	_____ m
8km	_____ m	12km 999m	_____ m
13km	_____ m	13km 810m	_____ m
7km	_____ m	14km 585m	_____ m
10km	_____ m	9km 210m	_____ m
8km	_____ m	10km 6m	_____ m
12km	_____ m	11km 78m	_____ m

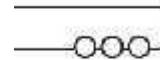
2. Convert the metres measurements to kilometres and metres. The first one is done for you:

Metres	Kilometres and Metres
9999m	9km 999m
12 032m	_____ km _____ m
8056m	_____ km _____ m
14 238m	_____ km _____ m
18 020m	_____ km _____ m
10 015m	_____ km _____ m



Kilometres and Metres
Some distances are in

Metres



measurements:

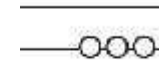
Metres
_____ m
_____ m
_____ m
_____ m
_____ m
_____ m
_____ m
_____ m
_____ m
_____ m

one is done for you:



Kilometres and Metres
Some distances are in

Metres



the measurements:

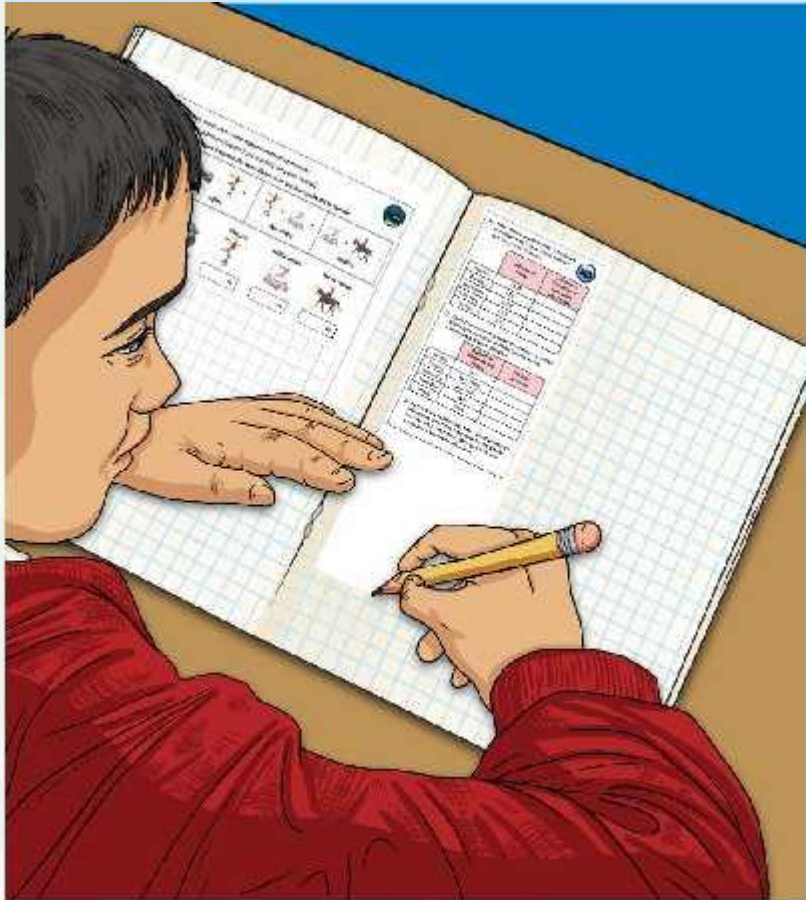


Kilometres and Metres
Some distances are in



Diving into Mastery

Dive in by completing your own activity!



3) Sarah's friends were recorded the distance he walked each day, in meters. Complete each distance in kilometers.

	Distance in Meters	Distance in Kilometers or 10 hundreds and tens
Monday	1000	
Tuesday	6000	
Wednesday	4000	
Thursday	8000	

4) Paul, 15 years, walks around the stadium for walking program every day for 100 meters. Complete the distance in kilometers.

	Distance in 100 meters and tens	Distance in Kilometers
Monday	0m	
Tuesday	4 km 100m	
Wednesday	3 km 700m	
Thursday	0m	

5) By looking at the clock, find out the amount of time after 10:00 that the hands will be in the same line. Write your answer in minutes and seconds.

Wayne's Walking Week

Wayne records how many metres he walks after school over a week.
Here are the distances he covered.

Day	Distance Covered
Monday	700m
Tuesday	800m
Wednesday	600m
Thursday	200m
Friday	900m

?

Calculate how far Wayne walked across the week.
Write your answer in km and m.

3km 200m

Aim



- To convert between metres and kilometres.

Success Criteria

- I can convert from metres to kilometres by dividing by 1000.
- I can convert from kilometres to metres by multiplying by 1000.



Aim: To convert between metres and kilometres.				Date:					
				Delivered By:			Support:		
Success Criteria	Me	Friend	Teacher	T	PPA	S	I	AL	GP
I can convert from metres to kilometres by dividing by 1000.				Notes/Evidence					
I can convert from kilometres to metres by multiplying by 1000.									
Next Steps									
) _____									
) _____									

T	Teacher	I	Independent
PPA	Planning, Preparation and Assessment	AL	Adult Led
S	Supply	GP	Guided Practice

Aim: To convert between metres and kilometres.				Date:					
				Delivered By:			Support:		
Success Criteria	Me	Friend	Teacher	T	PPA	S	I	AL	GP
I can convert from metres to kilometres by dividing by 1000.				Notes/Evidence					
I can convert from kilometres to metres by multiplying by 1000.									
Next Steps									
) _____									
) _____									

T	Teacher	I	Independent
PPA	Planning, Preparation and Assessment	AL	Adult Led
S	Supply	GP	Guided Practice

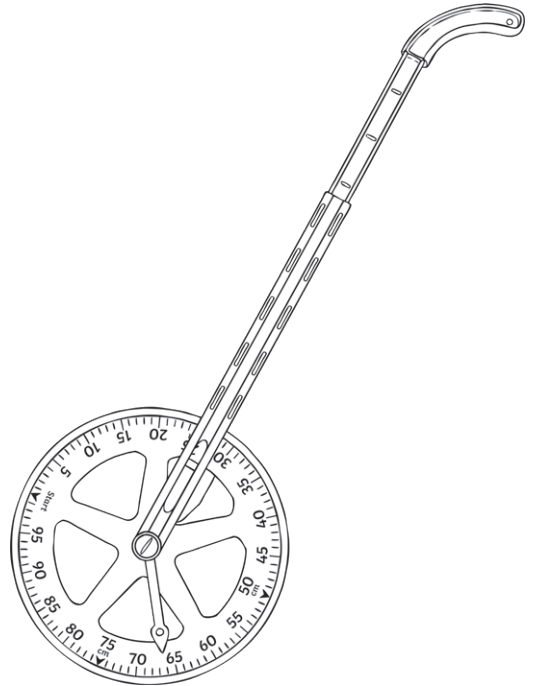
Converting Kilometres and Metres

To convert between metres and kilometres.



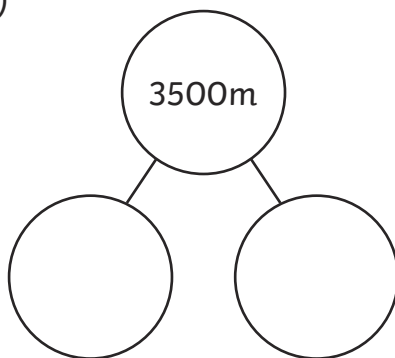
1. Complete the table to show how many metres there are in the kilometre measurements:

Kilometres	Metres
1km	_____m
2km	_____m
3km	_____m
4km	_____m
5km	_____m
6km	_____m
7km	_____m
8km	_____m
9km	_____m

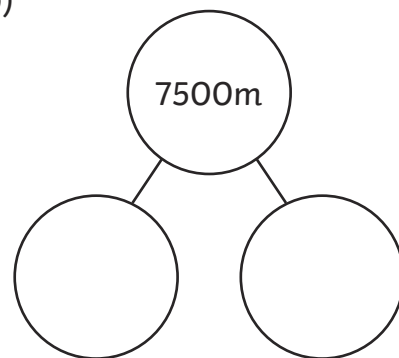


2. Complete the part-whole models.

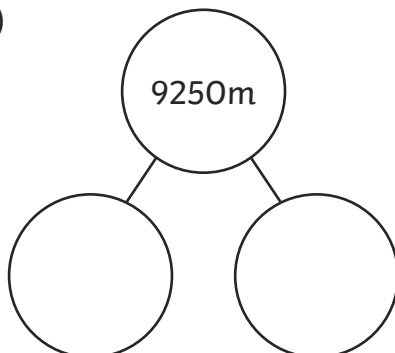
a)



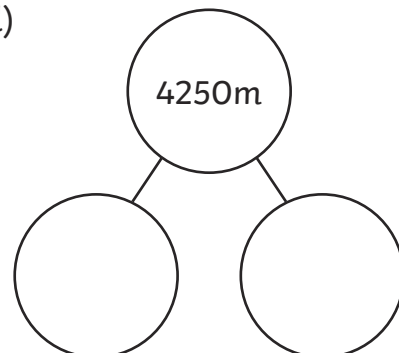
b)



c)



d)



3. Convert the metres measurements to kilometres and metres. The first one is done for you:

Metres	Kilometres and Metres
2250m	2km 250m
8750m	_____km _____m
4250m	_____km _____m
3750m	_____km _____m
5500m	_____km _____m
2750m	_____km _____m
6250m	_____km _____m

4. Use <, > or = to compare the measurements:

1km 500m		750m
2250m		2km 250m
3750m		3km 500m
4km 250m		5250m
8250m		8km 250m
6500m		6km 250m
8km 750m		8250m

Converting Kilometres and Metres

To convert between metres and kilometres.

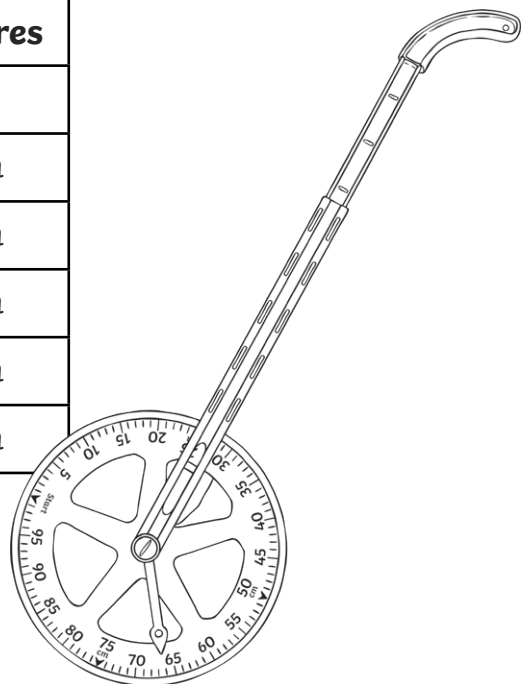


1. Complete the tables to show how many metres there are in these measurements:

Kilometres	Metres	Kilometres and Metres	Metres
3km	_____m	5km 725m	_____m
6km	_____m	3km 550m	_____m
7km	_____m	10km 675m	_____m
1km	_____m	8km 325m	_____m
10km	_____m	6km 945m	_____m
2km	_____m	5km 250m	_____m
8km	_____m	4km 585m	_____m
4km	_____m	7km 505m	_____m
9km	_____m	10km 995m	_____m
5km	_____m	11km 785m	_____m

2. Convert the metres measurements to kilometres and metres. The first one is done for you:

Metres	Kilometres and Metres
4955m	4km 955m
8695m	_____km _____m
6050m	_____km _____m
9405m	_____km _____m
11 025m	_____km _____m
10 345m	_____km _____m



3. This table shows the distances from different places to the town hall. Some distances are written in metres and some in kilometres and metres.

Building	Distance
library	1km 250m
sports hall	3500m
primary school	1500m
farm	4km 800m
shopping centre	575m
post office	200m
medical centre	1km 475m

a. Use < or > to compare the places' distances from the town hall:

farm		sports hall
library		primary school
medical centre		shopping centre
sports hall		medical centre
library		post office

b. Order the places from nearest to the town hall to furthest away.

Converting Kilometres and Metres

To convert between metres and kilometres.

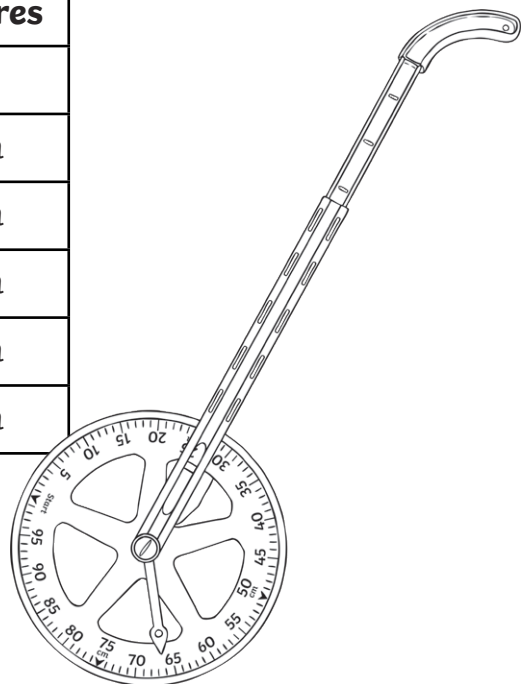


1. Complete the tables to show how many metres there are in these measurements:

Kilometres	Metres	Kilometres and Metres	Metres
6km	_____m	8km 861m	_____m
9km	_____m	10km 339m	_____m
14km	_____m	11km 678m	_____m
5km	_____m	7km 738m	_____m
1km	_____m	12km 999m	_____m
13km	_____m	13km 817m	_____m
7km	_____m	14km 588m	_____m
10km	_____m	9km 515m	_____m
8km	_____m	10km 6m	_____m
12km	_____m	11km 28m	_____m

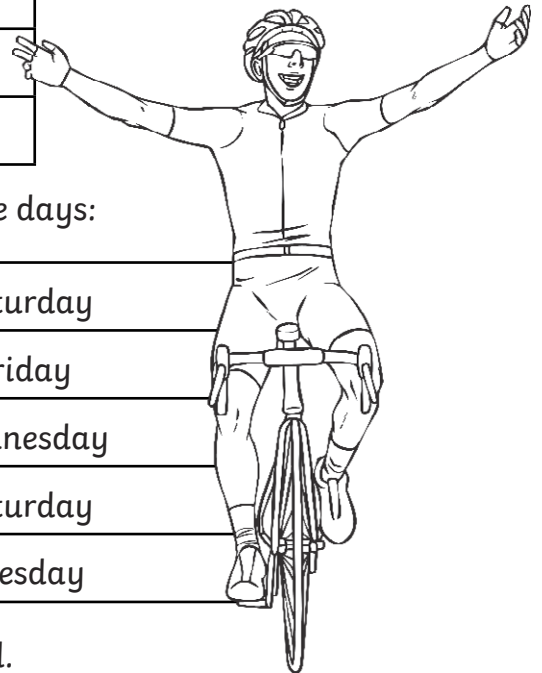
2. Convert the metres measurements to kilometres and metres. The first one is done for you:

Metres	Kilometres and Metres
9999m	9km 999m
12 432m	_____km _____m
8056m	_____km _____m
14 238m	_____km _____m
18 029m	_____km _____m
15 315m	_____km _____m



3. This table shows how far Mark cycled every day for a week. Some of the distances are in metres and some in kilometres and metres.

Day	Distance
Monday	5km 248m
Tuesday	4123m
Wednesday	7658m
Thursday	13km 429m
Friday	8km 321m
Saturday	10 675m
Sunday	2km 528m



a. Use < or > to compare the distance Mark cycled on these days:

Monday		Saturday
Wednesday		Friday
Tuesday		Wednesday
Thursday		Saturday
Sunday		Tuesday

b. Order the days from greatest to shortest distance cycled.

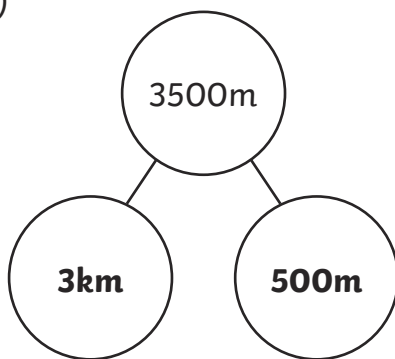
Converting Kilometres and Metres Answers

1. Complete the table to show how many metres there are in the kilometre measurements:

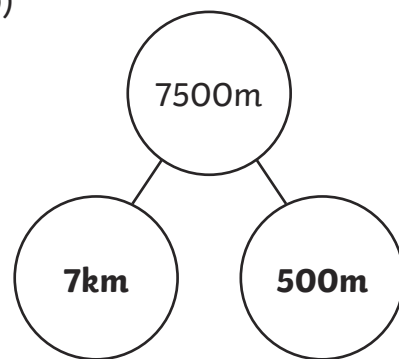
Kilometres	Metres
1km	1000m
2km	2000m
3km	3000m
4km	4000m
5km	5000m
6km	6000m
7km	7000m
8km	8000m
9km	9000m

2. Complete the part-whole models.

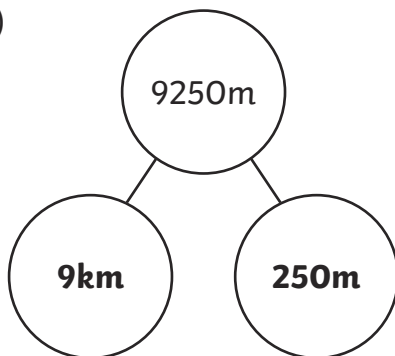
a)



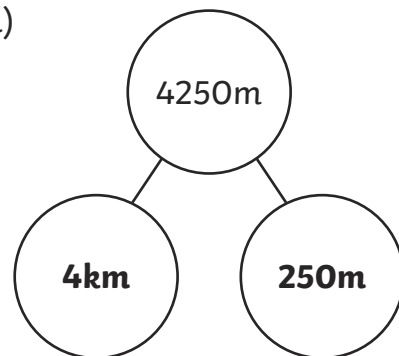
b)



c)



d)



3. Convert the metres measurements to kilometres and metres. The first one is done for you:

Metres	Kilometres and Metres
2250m	2km 250m
8750m	8km 750m
4250m	4km 250m
3750m	3km 750m
5500m	5km 500m
2750m	2km 750m
6250m	6km 250m

4. Use <, > or = to compare the measurements:

1km 500m	>	750m
2250m	=	2km 250m
3750m	>	3km 500m
4km 250m	<	5250m
8250m	=	8km 250m
6500m	>	6km 250m
8km 750m	>	8250m

Converting Kilometres and Metres Answers

1. Complete the tables to show how many metres there are in these measurements:

Kilometres	Metres	Kilometres and Metres	Metres
3km	3000m	5km 725m	5725m
6km	6000m	3km 550m	3550m
7km	7000m	10km 675m	10 675m
1km	1000m	8km 325m	8325m
10km	10 000m	6km 945m	6945m
2km	2000m	5km 250m	5250m
8km	8000m	4km 585m	4585m
4km	4000m	7km 505m	7505m
9km	9000m	10km 995m	10 995m
5km	5000m	11km 785m	11 785m

2. Convert the metres measurements to kilometres and metres. The first one is done for you:

Metres	Kilometres and Metres
4955m	4km 955m
8695m	8km 695m
6050m	6km 50m
9405m	9km 405m
11 025m	11km 25m
10 345m	10km 345m

3. This table shows the distances from different places to the town hall. Some distances are written in metres and some in kilometres and metres.

a. Use < or > to compare the places' distances from the town hall:

farm	>	sports hall
library	<	primary school
medical centre	>	shopping centre
sports hall	>	medical centre
library	>	post office

b. Order the places from nearest to the town hall to furthest away.

post office, shopping centre, library, medical centre, primary school, sports hall, farm

Converting Kilometres and Metres Answers

1. Complete the tables to show how many metres there are in these measurements:

Kilometres	Metres	Kilometres and Metres	Metres
6km	6000m	8km 861m	8861m
9km	9000m	10km 339m	10 339m
14km	14 000m	11km 678m	11 678m
5km	5000m	7km 738m	7738m
1km	1000m	12km 999m	12 999m
13km	13 000m	13km 817m	13 817m
7km	7000m	14km 588m	14 588m
10km	10 000m	9km 515m	9515m
8km	8000m	10km 6m	10 006m
12km	12 000m	11km 28m	11 028m

2. Convert the metres measurements to kilometres and metres. The first one is done for you:

Metres	Kilometres and Metres
9999m	9km 999m
12 432m	12km 432m
8056m	8km 56m
14 238m	14km 238m
18 029m	18km 29m
15 315m	15km 315m

3. This table shows how far Mark cycled every day for a week. Some of the distances are in metres and some in kilometres and metres.

a. Use < or > to compare the distance Mark cycled on these days:

Monday	<	Saturday
Wednesday	<	Friday
Tuesday	<	Wednesday
Thursday	>	Saturday
Sunday	<	Tuesday

b. Order the days from greatest to shortest distance cycled.

Thursday, Saturday, Friday, Wednesday, Monday, Tuesday, Sunday

Converting Length Units Speed Sheet

To convert between units of length.



Set 1

Converting Centimetres to Millimetres	Converting Millimetres to Centimetres
1) 4cm = mm	1) 50mm = cm
2) 7cm = mm	2) 30mm = cm
3) 5cm = mm	3) 90mm = cm
4) 3cm = mm	4) 80mm = cm
5) 8cm = mm	5) 10mm = cm

Set 2

Converting Metres to Centimetres	Converting Centimetres to Metres
1) 3m = cm	1) 400cm = m
2) 8m = cm	2) 300cm = m
3) 5m = cm	3) 700cm = m
4) 10m = cm	4) 200cm = m
5) 1m = cm	5) 1000cm = m

Set 3

Converting Centimetres and Millimetres to Millimetres	Converting Millimetres to Centimetres and Millimetres
1) 1cm 5mm = mm	1) 65mm = cm mm
2) 2cm 5mm = mm	2) 115mm = cm mm
3) 5cm 5mm = mm	3) 95mm = cm mm
4) 4cm 5mm = mm	4) 135mm = cm mm
5) 8cm 5mm = mm	5) 105mm = cm mm

Set 4

Converting Metres and Centimetres to Centimetres	Converting Centimetres to Metres and Centimetres
1) 1m 50cm = cm	1) 650cm = m cm
2) 3m 50cm = cm	2) 250cm = m cm
3) 4m 50cm = cm	3) 950cm = m cm
4) 6m 50cm = cm	4) 150cm = m cm
5) 8m 50cm = cm	5) 1050cm = m cm

Converting Length Units Speed Sheet

To convert between units of length.



Set 1

Converting Centimetres and Millimetres to Millimetres		Converting Millimetres to Centimetres and Millimetres	
1) 2cm 8mm =	mm	1) 49mm =	cm mm
2) 6cm 6mm =	mm	2) 98mm =	cm mm
3) 9cm 3mm =	mm	3) 105mm =	cm mm
4) 8cm 5mm =	mm	4) 717mm =	cm mm
5) 9cm 9mm =	mm	5) 108mm =	cm mm
6) 12cm 2mm =	mm	6) 654mm =	cm mm
7) 10cm 8mm =	mm	7) 484mm =	cm mm
8) 11cm 6mm =	mm	8) 213mm =	cm mm
9) 13cm 5mm =	mm	9) 575mm =	cm mm
10) 16cm 8mm =	mm	10) 425mm =	cm mm

Set 2

Converting Metres and Centimetres to Centimetres		Converting Centimetres to Metres and Centimetres	
1) 1m 57cm =	cm	1) 777cm =	m cm
2) 8m 69cm =	cm	2) 813cm =	m cm
3) 6m 52cm =	cm	3) 692cm =	m cm
4) 9m 28cm =	cm	4) 832cm =	m cm
5) 8m 77cm =	cm	5) 905cm =	m cm
6) 10m 23cm =	cm	6) 1325cm =	m cm
7) 11m 59cm =	cm	7) 1759cm =	m cm
8) 9m 92cm =	cm	8) 1138cm =	m cm
9) 8m 26cm =	cm	9) 1203cm =	m cm
10) 4m 27cm =	cm	10) 1526cm =	m cm

Converting Length Units Speed Sheet

To convert between units of length.



1) 26m 99cm =	cm	21) 7283cm =	m	cm	
2) 8cm 9mm =	mm	22) 38mm =	cm	mm	
3) 10m 37cm =	cm	23) 908cm =	m	cm	
4) 217cm =	m	cm	24) 87mm =	cm	mm
5) 1m 24cm =	cm	25) 2cm 6m =		mm	
6) 3cm 4mm =	mm	26) 108mm =	cm	mm	
7) 33m 48cm =	cm	27) 601cm =	m	cm	
8) 5cm 9mm =	mm	28) 691mm =	cm	mm	
9) 6182cm =	m	cm	29) 1441cm =	m	cm
10) 8cm 7mm =	mm	30) 404mm =	cm	mm	
11) 676mm =	cm	mm	31) 9m 55cm =		cm
12) 13cm 4mm =	mm	32) 5670cm =	m	cm	
13) 11m 44cm =	cm	33) 55m 16cm =		cm	
14) 31cm 9mm =	mm	34) 1296mm =	cm	mm	
15) 9m 61cm =	cm	35) 1157mm =	cm	mm	
16) 482cm =	m	cm	36) 2m 2cm =		cm
17) 50cm 3mm =	mm	37) 2299mm =	cm	mm	
18) 2369mm =	cm	mm	38) 49cm 1mm =		mm
19) 52cm 7mm =	mm	39) 5309cm =	m	cm	
20) 4m 37cm =	cm	40) 987cm =	m	cm	

Converting Length Units Speed Sheet **Answers**

Set 1

Converting Centimetres to Millimetres	Converting Millimetres to Centimetres
1) 4cm = 40mm	1) 50mm = 5cm
2) 7cm = 70mm	2) 30mm = 3cm
3) 5cm = 50mm	3) 90mm = 9cm
4) 3cm = 30mm	4) 80mm = 8cm
5) 8cm = 80mm	5) 10mm = 1cm

Set 2

Converting Metres to Centimetres	Converting Centimetres to Metres
1) 3m = 300cm	1) 400cm = 4m
2) 8m = 800cm	2) 300cm = 3m
3) 5m = 500cm	3) 700cm = 7m
4) 10m = 1000cm	4) 200cm = 2m
5) 1m = 100cm	5) 1000cm = 10m

Set 3

Converting Centimetres and Millimetres to Millimetres	Converting Millimetres to Centimetres and Millimetres
1) 1cm 5mm = 15mm	1) 65mm = 6cm 5mm
2) 2cm 5mm = 25mm	2) 115mm = 11cm 5mm
3) 5cm 5mm = 55mm	3) 95mm = 9cm 5mm
4) 4cm 5mm = 45mm	4) 135mm = 13cm 5mm
5) 8cm 5mm = 85mm	5) 105mm = 10cm 5mm

Set 4

Converting Metres and Centimetres to Centimetres	Converting Centimetres to Metres and Centimetres
1) 1m 50cm = 150cm	1) 650cm = 6m 50cm
2) 3m 50cm = 350cm	2) 250cm = 2m 50cm
3) 4m 50cm = 450cm	3) 950cm = 9m 50cm
4) 6m 50cm = 650cm	4) 150cm = 1m 50cm
5) 8m 50cm = 850cm	5) 1050cm = 10m 50cm

Converting Length Units Speed Sheet Answers

Set 1

Converting Centimetres and Millimetres to Millimetres	Converting Millimetres to Centimetres and Millimetres
1) 2cm 8mm = 28 mm	1) 49mm = 4 cm 9 mm
2) 6cm 6mm = 66 mm	2) 98mm = 9 cm 8 mm
3) 9cm 3mm = 93 mm	3) 105mm = 10 cm 5 mm
4) 8cm 5mm = 85 mm	4) 717mm = 71 cm 7 mm
5) 9cm 9mm = 99 mm	5) 108mm = 10 cm 8 mm
6) 12cm 2mm = 122 mm	6) 654mm = 65 cm 4 mm
7) 10cm 8mm = 108 mm	7) 484mm = 48 cm 4 mm
8) 11cm 6mm = 116 mm	8) 213mm = 21 cm 3 mm
9) 13cm 5mm = 135 mm	9) 575mm = 57 cm 5 mm
10) 16cm 8mm = 168 mm	10) 425mm = 42 cm 5 mm

Set 2

Converting Metres and Centimetres to Centimetres	Converting Centimetres to Metres and Centimetres
1) 1m 57cm = 157 cm	1) 777cm = 7 m 77 cm
2) 8m 69cm = 869 cm	2) 813cm = 8 m 13 cm
3) 6m 52cm = 652 cm	3) 692cm = 6 m 92 cm
4) 9m 28cm = 928 cm	4) 832cm = 8 m 32 cm
5) 8m 77cm = 877 cm	5) 905cm = 9 m 5 cm
6) 10m 23cm = 1023 cm	6) 1325cm = 13 m 25 cm
7) 11m 59cm = 1159 cm	7) 1759cm = 17 m 59 cm
8) 9m 92cm = 992 cm	8) 1138cm = 11 m 38 cm
9) 8m 26cm = 826 cm	9) 1203cm = 12 m 3 cm
10) 4m 27cm = 427 cm	10) 1526cm = 15 m 26 cm

Converting Length Units Speed Sheet **Answers**

1) 26m 99cm =	2699cm	21) 7283cm =	72m 83cm
2) 8cm 9mm =	89mm	22) 38mm =	3cm 8mm
3) 10m 37cm =	1037cm	23) 908cm =	9m 8cm
4) 217cm =	2m 17cm	24) 87mm =	8cm 7mm
5) 1m 24cm =	124cm	25) 2cm 6mm =	26mm
6) 3cm 4mm =	34mm	26) 108mm =	10cm 8mm
7) 33m 48cm =	3348cm	27) 601cm =	6m 1cm
8) 5cm 9mm =	59mm	28) 691mm =	69cm 1mm
9) 6182cm =	61m 82cm	29) 1441cm =	14m 41cm
10) 8cm 7mm =	87mm	30) 404mm =	40cm 4mm
11) 676mm =	67cm 6mm	31) 9m 55cm =	905cm
12) 13cm 4mm =	134mm	32) 5670cm =	56m 70cm
13) 11m 44cm =	1144cm	33) 55m 16cm =	5516cm
14) 31cm 9mm =	319mm	34) 1296mm =	12cm 96mm
15) 9m 61cm =	961cm	35) 1157mm =	11cm 57mm
16) 482cm =	4m 82cm	36) 2m 2cm =	202cm
17) 50cm 3mm =	503mm	37) 2299mm =	229cm 9mm
18) 2369mm =	236cm 9mm	38) 49cm 1mm =	491mm
19) 52cm 7mm =	527mm	39) 5309cm =	53m 9cm
20) 4m 37cm =	437cm	40) 987cm =	9m 87cm



1)

	Distance in Metres	Distance in Kilometres or Kilometres and Metres
Monday	4000	4km
Tuesday	6000	6km
Wednesday	4500	4km 500m
Thursday	6600	6km 600m
Friday	7500	7km 500m

2)

	Distance in Kilometres and Metres	Distance in Metres
Monday	8km	8000m
Tuesday	4km 750m	4750m
Wednesday	3km 250m	3250m
Thursday	8km	8000m
Friday	7 $\frac{1}{2}$ km	7500m

3) **2km 250m or 2250m**



1)

mosque	<	theatre
hospital	>	skate park
skate park	<	mosque
swimming pool	>	library

2)

The mosque is 2500m from school.	False. It is 2225m from school.
The theatre is 2000m further away than the library.	True. The library is 600m away and the theatre is 2600m away.
The hospital is 3 $\frac{3}{4}$ km from school.	True. Three quarters of 1000m is 750m.
Three places are more than 2 $\frac{1}{2}$ km away.	False. Two places are more than 2500m away - the theatre and the hospital.
The swimming pool is further away than the skate park.	False - the skate park is 1500m away but the swimming pool is only 1250m away.

1a)

Bus	Car	Unicycle	Roller skates	Horse riding
4000m	4000m	500m	1300m	7700m

a) **17 $\frac{1}{2}$ km, 17.5km or 17km 500m**

b) **Answers will vary. Accept any sensibly written questions.**





- 1) Jana's fitness watch recorded the distance she walked each day in metres. Convert each distance to kilometres.

	Distance in Metres	Distance in Kilometres or Kilometres and Metres
Monday	4000	
Tuesday	6000	
Wednesday	4500	
Thursday	6600	
Friday	7500	



- 2) Alan's fitness tracker recorded the distance he walked each day in kilometres or kilometres and metres. Convert each distance to metres.

	Distance in Kilometres and Metres	Distance in Metres
Monday	8km	
Tuesday	4km 750m	
Wednesday	3km 250m	
Thursday	8km	



- 3) By lunchtime on Saturday, Jana's watch showed she had walked 6km 750m. How much further did she need to walk to reach 9km? Write your answer in metres and in kilometres and metres.

Jana and Alan measured the distances between their school and different places in their town.



Building	Distance from School
mosque	2km 225m
hospital	3km 750m
theatre	2km 600m
swimming pool	1km 250m
skate park	$1\frac{1}{2}$ km
library	600m



1) Complete this table to compare the distances.

mosque		theatre
hospital		skate park
skate park		mosque
swimming pool	>	

2) Work out whether each statement below is true or false and explain how you know.

The mosque is 2500m from school.

The theatre is 2000m further away than the library.

The hospital is $3\frac{3}{4}$ km from school.

Three places are more than $2\frac{1}{2}$ km away.

The swimming pool is further away than the skate park.

- 1) Jana's fitness watch recorded the distance she walked each day in metres. Convert each distance to kilometres.



	Distance in Metres	Distance in Kilometres or Kilometres and Metres
Monday	4000	
Tuesday	6000	
Wednesday	4500	
Thursday	6600	
Friday	7500	

- 2) Alan's fitness tracker recorded the distance he walked each day in kilometres or kilometres and metres. Convert each distance to metres.

	Distance in Kilometres and Metres	Distance in Metres
Monday	8km	
Tuesday	4km 750m	
Wednesday	3km 250m	
Thursday	8km	
Friday	7 $\frac{1}{2}$ km	

- 3) By lunchtime on Saturday, Jana's watch showed she had walked 6km 750m. How much further did she need to walk to reach 9km? Write your answer in metres and in kilometres and metres.

- 1) Jana's fitness watch recorded the distance she walked each day in metres. Convert each distance to kilometres.



	Distance in Metres	Distance in Kilometres or Kilometres and Metres
Monday	4000	
Tuesday	6000	
Wednesday	4500	
Thursday	6600	
Friday	7500	

- 2) Alan's fitness tracker recorded the distance he walked each day in kilometres or kilometres and metres. Convert each distance to metres.

	Distance in Kilometres and Metres	Distance in Metres
Monday	8km	
Tuesday	4km 750m	
Wednesday	3km 250m	
Thursday	8km	
Friday	7 $\frac{1}{2}$ km	

- 3) By lunchtime on Saturday, Jana's watch showed she had walked 6km 750m. How much further did she need to walk to reach 9km? Write your answer in metres and in kilometres and metres.

Jana and Alan measured the distances between their school and different places in their town.



Building	Distance from School
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skate park	$1\frac{1}{2}$ km
library	600m

1) Complete this table to compare the distances.

mosque		theatre
hospital		skate park
skate park		mosque
swimming pool	>	

2) Work out whether each statement below is true or false and explain how you know.

The mosque is 2500m from school.

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The hospital is $3\frac{3}{4}$ km from school.

Three places are more than $2\frac{1}{2}$ km away.

The swimming pool is further away than the skate park.

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theatre	2km 600m
swimming pool	1km 250m
skate park	$1\frac{1}{2}$ km
library	600m

1) Complete this table to compare the distances.

mosque		theatre
hospital		skate park
skate park		mosque
swimming pool	>	

2) Work out whether each statement below is true or false and explain how you know.

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The theatre is 2000m further away than the library.

The hospital is $3\frac{3}{4}$ km from school.

Three places are more than $2\frac{1}{2}$ km away.





The swimming pool is further away than the skate park.





Jana completed a charity travel event using different methods of transport.








1a) Use the pictures below to find out how far Jana travelled using each method.

Use this clue to start you off: **Jana travelled the same distance on the bus as she did in the car.**

 +  = 8km	 +  = 4½km
---	--

 +  = 1km 800m	 +  = 9000m
--	---

Bus	Car	Unicycle
		
<input type="text"/> m	<input type="text"/> m	<input type="text"/> m

Roller skates	Horse riding
	
<input type="text"/> m	<input type="text"/> m





- b) How far in kilometres or kilometres and metres did Jana travel altogether?
- c) Have a go at creating your own maths problem like this.





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Bus	Car	Unicycle
		
<input type="text"/> m	<input type="text"/> m	<input type="text"/> m

Roller skates	Horse riding
	
<input type="text"/> m	<input type="text"/> m

- b) How far in kilometres or kilometres and metres did Jana travel altogether?
- c) Have a go at creating your own maths problem like this.

Measurement | Converting Metres and Kilometres

To convert between metres and kilometres.		
I can convert from metres to kilometres by dividing by 1000.		
I can convert from kilometres to metres by multiplying by 1000.		

Measurement | Converting Metres and Kilometres

To convert between metres and kilometres.		
I can convert from metres to kilometres by dividing by 1000.		
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