

Monday

LG: I can convert between units of length

Arrange the measurements below from shortest to longest. Can you then predict what they might be measurements of?

3000 cm

35 mm

1.5 m

12 km

160 cm

Extra for experts - complete the table

Metres	Centimetres	Millimetres
		9043
		1659
		1386
		4207
		1349
		4900
		2456
		3173
		4942
		7136

Mastery:

Distance and Length - Metres

Match these measurements:

40cm

0.4cm

4000mm

0.4m

4mm

400cm

4m

40,000m

40km

4km

4000m

4m

Tuesday

LG: I can convert between metric units of length

Complete the conversions below.

$$300 \text{ mm} = \mathbf{30 \text{ cm}}$$

$$900 \text{ mm} = \mathbf{90 \text{ cm}}$$

$$400 \text{ cm} = \mathbf{4 \text{ m}}$$

$$720 \text{ cm} = \mathbf{7.2 \text{ m}}$$

$$40 \text{ cm} = \dots \text{ mm}$$

$$70 \text{ cm} = \dots \text{ mm}$$

$$9 \text{ m} = \dots \text{ cm}$$

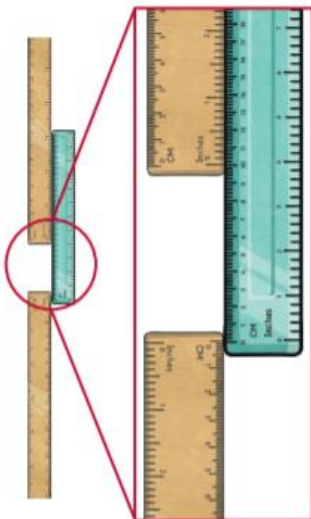
$$8.6 \text{ m} = \dots \text{ cm}$$

Extra for experts - complete the table

Metres	Centimetres	Millimetres
		546
	84.4	
0.842		
	60.7	
		820
	89.4	
0.011		
		271
	83.9	
0.107		

Mastery:

Conversion Word Problem



Natalia and Christian measure the height of a classroom using two metre sticks and a ruler. One metre stick reaches the ceiling and one is touching the floor. The cm ruler measures the gap between the metre sticks.

What is the height of the classroom in metres?

Wednesday

LG: I can convert miles and km

Miles	Kilometres
5 miles	
40 miles	
	72 kilometres
	104 kilometres

Extra for experts

1.

Kilometres	Miles
	5
	15
	20
	35
	50
	65
	75
	90
	100
	150

2.

Kilometres	Miles
16	
40	
64	
72	
88	
112	
128	
152	
160	
200	

3.

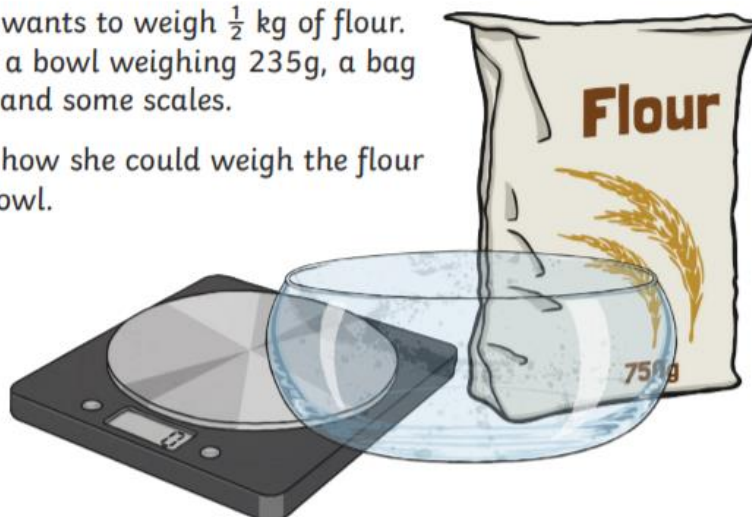
Kilometres	Miles
	3
	8
	11
	16
	23
	32
	47
	78
	101
	142

Mastery

Conversion Word Problem

Natalia wants to weigh $\frac{1}{2}$ kg of flour. She has a bowl weighing 235g, a bag of flour and some scales.

Explain how she could weigh the flour in the bowl.



Thursday

LG: I can convert units of mass

Kilograms (kg)	grams (g)
5 kg	
9.5 kg	
	4600 g
	12,800 g

Place a tick next to the correct conversions and a cross if they are incorrect and correct them.

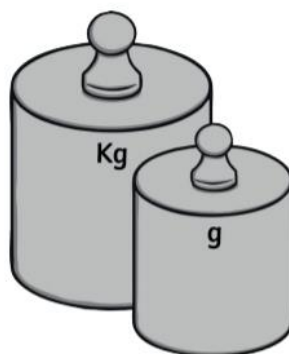
grams	Kilograms
1500 g	1.5 kg
2300 g	23 kg
600 g	0.6 kg
48,000 g	4.8 kg

Extra for experts and mastery

Mass

- a. 4kg = _____g
- b. 8kg = _____g
- c. 2.134kg = _____g
- d. 5.3kg = _____g
- e. 2000g = _____kg
- f. 5500g = _____kg
- g. 3355g = _____kg
- h. 2219g = _____kg

Mass - Grams



Complete these:

$$\frac{1}{2} \text{ kg} = \text{_____g}$$

$$\frac{3}{4} \text{ kg} = \text{_____g}$$

Which is greater?

$$\frac{1}{3} \text{ kg or } \frac{1}{4} \text{ kg}$$

Explain why.

Extra for experts answers -

Monday

Metres	Centimetres	Millimetres
9.043	904.3	9043
1.659	165.9	1659
1.386	138.6	1386
4.207	420.7	4207
1.349	134.9	1349
4.9	490	4900
2.456	245.6	2456
3.173	317.3	3173
4.942	494.2	4942
7.136	713.6	7136

Tuesday

Metres	Centimetres	Millimetres
0.546	54.6	546
0.844	84.4	844
0.842	84.2	842
0.607	60.7	607
0.82	82	820
0.894	89.4	894
0.011	1.1	11
0.271	27.1	271
0.839	83.9	839
0.107	10.7	107

Wednesday

1.

Kilometres	Miles
8	5
24	15
32	20
56	35
80	50
104	65
120	75
144	90
160	100
240	150

2.

Kilometres	Miles
16	10
40	25
64	40
72	45
88	55
112	70
128	80
152	95
160	100
200	125

3.

Kilometres	Miles
4.8	3
12.8	8
17.6	11
25.6	16
36.8	23
51.2	32
75.2	47
124.8	78
161.6	101
227.2	142

Thursday

Mass

a. 4kg = **4000g**

b. 8kg = **8000g**

c. 2.134kg = **2134g**

d. 5.3kg = **5300g**

e. 2000g = **2kg**

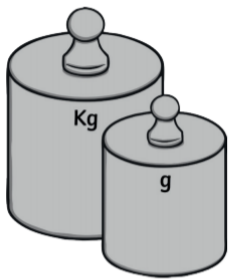
f. 5500g = **5.5kg**

g. 3355g = **3.355kg**

h. 2219g = **2.219kg**

Mastery Answers:

Mass - Grams - Answer



Complete these:

$$\frac{1}{2} \text{ kg} = \underline{500} \text{ g}$$

$$\frac{3}{4} \text{ kg} = \underline{750} \text{ g}$$

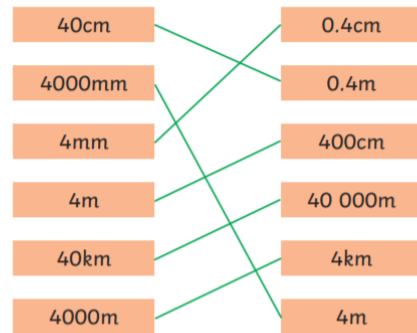
Which is greater?

$$\frac{1}{3} \text{ kg} \text{ or } \frac{1}{4} \text{ kg}$$

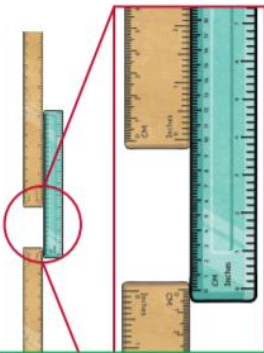
Explain why.

Distance and Length - Metres - Answer

Match these measurements:



Conversion Word Problem Answer



Natalia and Christian measure the height of a classroom using two metre sticks and a ruler. One metre stick reaches the ceiling and one is touching the floor. The cm ruler measures the gap between the metre sticks.

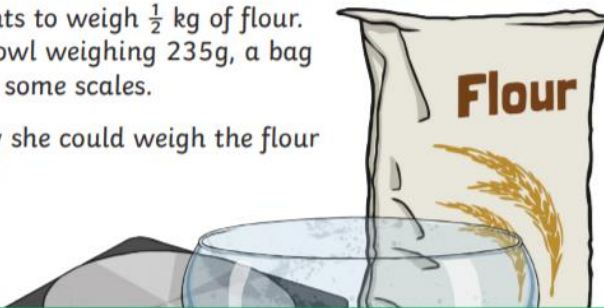
What is the height of the classroom in metres?

2.1 metres. The gap between the rulers measures 10cm so
 $2\text{m} + 0.1\text{m} = 2.1\text{m}$

Conversion Word Problem Answer

Natalia wants to weigh $\frac{1}{2}$ kg of flour. She has a bowl weighing 235g, a bag of flour and some scales.

Explain how she could weigh the flour in the bowl.



Add the weight of the bowl to the required weight of flour:
 $235\text{g} + \frac{1}{2} \text{ kg} = 235\text{g} + 500\text{g} = 735\text{g}$. Place the bowl on the scales and pour in the flour to 735g.