05.03.21 Fluent in five

1) 90% of 60 =
2) 55% of 930 =
3) 7% of 1 =
4) 7583 x 32 =
5) 8208 ÷ 19 =
6) What do the angles in a triangle total?

1) 10% of 17 =
2) 30% of 960 =
3) 5% of 500 =
4) 7482 x 5 =
5) 8429 ÷ 3 =
6) What do the angles in a triangle total?

WALT convert metric measures

https://vimeo.com/504805400

What do we mean when we say convert measures?

What measures can we convert from/to?

What is the same and what is different with kg, kl and km ?

Kilo =

Milli =

Complete the sentences.

a) There are [   ] grams in 1 kilogram.

There are [   ] kilograms in one tonne.

b) There are [   ] millilitres in 1 litre.

c) There are [   ] millimetres in 1 centimetre

There are [   ] centimetres in 1 metre.

There are [   ] metres in 1 kilometre.

Complete the bar models.

a)

1 km	1 km	1 km	1 km
1,000 m	1,000 m		

There are [   ] m in 4 km.

b)

1 kg	1 kg	1 kg	1 kg	1 kg	1 kg	$\frac{1}{2}$ kg
1,000 g	1,000 g	1,000 g				

There are [   ] g in $6\frac{1}{2}$ kg.

Complete the conversions.

a) 2 kg = [ ] g   b) 1 l = [ ] ml

   5 kg = [ ] g   5 l = [ ] ml

   10 kg = [ ] g   11 l = [ ] ml

   12kg = [ ] g

Write > , < or = to complete the statements.

a)   100 m ◯ 1 km   b) 5.1 l ◯ 5,100 ml

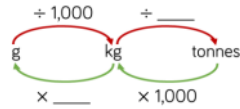   10 m   ◯ 10 cm   607 l ◯ 0.607 ml

   10.1 mm   ◯ 101 cm   0.05 l ◯ 5 ml

Varied Fluency

There are ___ grams in one kilogram.

There are ___ kilograms in one tonne.

Use these facts to complete the tables.

÷ 1,000   ÷ ____

g   kg   tonnes

× ____   × 1,000
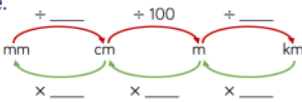
g	kg
1,500	
	2.05
1,005	

kg	tonnes
1,202	
	4.004
125	

There are ___ mm in one centimetre.

There are ___ cm in one metre.

There are ___ m in one kilometre.

Use these facts to complete the table.

÷ ____   ÷ 100   ÷ ____

mm   cm   m   km

× ____   × ____   × ____

mm	cm	m	km
44,000			
	2,780		
		15.5	
			1.75

Mo thinks that 12,000 g is greater than 20 kg because 12,000 > 20

Explain why Mo is wrong.

Put these capacities in order, starting with the smallest.

3 litres	3,500 ml
0.4 litres	0.035 litres
450 ml	330 ml

A shop sells one-litre bottles of water for 99p each.

300 ml bottles of water are on offer at 8 bottles for £2

Whitney wants to buy 12 litres of water. Find the cheapest way she can do this.