

Revision Reminder

Converting Units of Measurement

1cm = 10mm

100cm = 1m

1000mm = 1m

1000m = 1km

(50mm = 5cm) (0.5km = 500m) (8mm = 0.8cm)

1000g = 1kg

1000ml = 1l

(0.7kg = 700g) (0.25l = 250ml) (3000ml = 3l)

60 sec = 1 min

60 min = 1 hour

3600 sec = 1 hour (60 sec x 60 min)

(3 hours = 180 mins) (3.5 mins = 210 sec)

24 hours = 1 day

7 days = 1 week

14 days = a fortnight

(3 weeks = 21 days) (2 days = 48 hours)

Revision Reminder

Problems with Units of Measurement

- **A glass holds 300ml of juice. How many of these glasses can I pour from 1.5l of juice?**

$$1.5\text{l} = 1500\text{ml}$$

So how many times does 300ml fit into 1500ml?

$$300 \times \underline{5} = 1500 \text{ (ignore the 00 on each, } 3 \times \underline{5} = 15)$$

Answer = 5 glasses

- **I have a roll of ribbon 4.5m long. How many 50cm lengths could I cut from it?**

$$4.5\text{m} = 450\text{cm}$$

So how many times does 50cm fit into 450cm?

50cm fits twice into 100cm, so 8 times into 400cm

Then I can cut one more length from the remaining 50cm

$$\text{Also, } 50 \times 9 = 450 \text{ (ignore the 0 on each, } 5 \times 9 = 45)$$

Answer = 9 lengths can be cut

- **Write these masses from lightest to heaviest:**

0.5kg 560g 56kg 6200g 3.75kg 300g

Convert all into same unit of measurement; I choose grams

500g 560g 56000g 6200g 3750g 300g

Now they're easy to compare and we can place them in order using the original numbers—cross them out as you write them!

Answer:

300g 0.5kg 560g 3.75kg 6200g 56kg