

Converting Measures

Worksheet 1A

Name: _____

Date: _____

Can you solve these measure word problems? For some of them you might need to convert the measurements to a different unit!



Length:
10mm = 1cm
100cm = 1m
1000m = 1km

Weight:
1000mg = 1g
1000g = 1kg

Capacity:
1000ml = 1l

1) Carly has 750ml of milk in the carton. She pours 230ml onto her cereal. How much milk is left in the carton?

$$750 - 230 = 520 \text{ml}$$

2) Emily is knitting a scarf. She knits a length of 65mm on the first day, 12cm the next day and 87mm the next day. How long is her scarf so far? (Look out of the units of measure!)

$$12 \text{cm} = 120 \text{mm}$$

$$65 + 120 + 87 = 272 \text{mm or } 27.2 \text{cm}$$

3) Brian has 800g of apples in his shopping basket along with 300g of bananas and 250g of sugar. What is the total weight of the items in his basket in kilograms?

$$800 + 300 + 250 = 1350 \text{g}$$

$$1350 \div 1000 = 1.35 \text{kg}$$

4) Ibrahim measures his height each year. Last year, he was 121cm. This year he is 13cm taller. How tall is he now in metres?

$$121 + 13 = 134 \text{cm}$$

$$134 \div 100 = 1.34 \text{m}$$

5) Rosa has bought 12 bars of chocolate to give to her friends as presents. Each bar weighs 50g. How much do the chocolate bars weigh altogether?

$$12 \times 50 = 600 \text{g}$$

6) Tristan is making four batches of cookies. He has 1.2kg of flour which he has to split into four batches. How much flour should he have in each batch?

$$1.2 \times 1000 = 1,200 \text{g}$$

$$1200 \div 4 = 300 \text{g}$$

Converting Measures

Worksheet 1B

Name: _____

Date: _____

Can you solve these measure word problems? For some of them you might need to convert the measurements to a different unit!



Length:
10mm = 1cm
100cm = 1m
1000m = 1km

Weight:
1000mg = 1g
1000g = 1kg

Capacity:
1000ml = 1l

1) Victor is ill and has a bottle of medicine which contains 450ml. How many 5ml doses can he get from the bottle?

$$450 \div 5 = 90 \text{ doses}$$

2) Gary has a bottle of washing up liquid. It started with 750ml inside. There are now 187ml left in the bottle. How much washing up liquid has he used?

$$750 - 187 = 563 \text{ml}$$

3) Ivy has to drive for 12.2km to get to the library. She stops to get petrol after 7.6km. How much further does she have to travel?

$$12.2 - 7.6 = 4.6 \text{km}$$

4) Wanda is a plumber and she has a length of pipe 1.6m long which she needs to divide into 4 equal sections. How long will each section need to be?

$$1.6 \times 100 = 160 \text{cm}$$

$$160 \div 4 = 40 \text{cm}$$

5) Alan is wrapping Christmas presents. He has eight rolls of wrapping paper and each roll is 1.2 metres long. How long in total are his rolls of wrapping paper?

$$8 \times 1.2 = 9.6 \text{m}$$

6) Olivia is having a party. She has 12 bottles of fizzy drink. Each bottle holds 2.2 litres. How much fizzy drink does she have altogether?

$$12 \times 2.2 = 26.4 \text{l}$$

7) Johnny and Kay are playing with water balloons. Each balloon holds 350ml of water. Johnny has six water balloons and Kay has eight. How many litres of water do they have altogether?

$$6 + 8 = 14$$

$$14 \times 350 = 4900$$

$$4900 \div 1000 = 4.9 \text{l}$$

8) Casey lives in a row of 8 terraced houses. Each house is exactly 610cm wide. How long is the row of houses in metres?

$$8 \times 610 = 4880$$

$$4880 \div 100 = 48.8 \text{m}$$

9) At a party, Emily drank 230ml of orange juice, 450ml of apple juice and 615ml of water. How many litres did she drink altogether?

$$230 + 450 + 615 = 1295$$

$$1295 \div 1000 = 1.295 \text{l}$$

10) Jake buys a ball of string that is 4m long. He uses 1.3m to tie a parcel together and 884mm to make a toy fishing pole. How much string is left on the ball?

$$4 - 1.3 = 2.7$$

$$2.7 \times 1000 = 2700$$

$$2700 - 884 = 1816 \text{mm}$$

Converting Measures

Worksheet 1C

Name: _____

Date: _____

Can you solve these measure word problems? For some of them you might need to convert the measurements to a different unit!



1) Mrs Alessi is doing a craft activity with her class. Each child needs 25cm of ribbon. She has 20 metres of ribbon altogether and 31 children in the class. How much ribbon does she use altogether and how much does she have left over?

$$31 \times 25 = 775$$

$$775 \div 100 = 7.75 \text{m of ribbon used altogether}$$

$$20 - 7.75 = 12.25 \text{m of ribbon left over}$$

2) Mr Boyle owns a sweet shop. He has a 2.5kg box of toffee chews that he has to divide into 400g bags. How many bags can he get from the box? How many grams of toffee chews does he have left over?

$$2.5 \times 1000 = 2,500 \text{g}$$

$$2,500 \div 400 = 6.25 \text{ or six whole bags and } 0.25 \text{ of a bag remainder}$$

$$0.25 \times 400 = 100 \text{g of toffee chews left over}$$

3) Dave is an electrician. He has 32.5m of electrical wire which he needs to divide into 5 equal lengths. How long will each length of wire be?

$$32.5 \div 5 = 6.5 \text{m}$$

4) A bus route is 14.8km long. Between stops A and B is 1.78km. Between stops B and C is 2.05km and between C and D is 4.2km. At stop D, how far has the bus travelled and far does it have to go on the rest of the route?

$$1.78 + 2.05 + 4.2 = 8.03 \text{km travelled from stop A to stop D}$$

$$14.8 - 8.03 = 6.77 \text{ km still to go on the rest of the route}$$

5) 7.75 litres of fresh milk are available every day in the school cafeteria. On Tuesday, there are 935ml of milk left at the end of lunch. How much milk was drunk altogether?

$$7.75 \times 1,000 = 7750$$

$$7750 - 935 = 6,815 \text{ml was drunk altogether}$$

6) Callum is baking cakes for a charity bake sale. He needs 280g of flour for each cake. He wants to bake 12 cakes. How many kilograms of flour will he need?

$$12 \times 280 = 3360$$

$$3360 \div 1,000 = 3.36 \text{kg of flour needed}$$

7) Harriet is knitting a jumper. She has 4 balls of wool, each with 125m of wool. When she finishes her jumper, she only has 92cm of wool left. How much wool did she use to make her jumper?

$$4 \times 125 = 500$$

$$500 \times 100 = 50,000 \text{cm of wool in 4 balls}$$

$$50,000 - 92 = 49,908 \text{cm used to make her jumper}$$