

Conversions and Units

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NAME _____

DATE _____

1 Here are four metric units of length.

 EITHER PAPER 3 MARKS

mm cm m km

Circle the unit that is most suitable for each measurement.

- (a) Which unit is most suitable for measuring the length of a pencil?
- (b) Which unit is most suitable for measuring the thickness of a coin?
- (c) Which unit is most suitable for measuring the length of a tennis court?

2 Here are four lengths.

 EITHER PAPER 1 MARK

4.6 cm	0.074 km	0.38 m	63 mm
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Circle the shortest length.

3 Change 30 metres into centimetres.

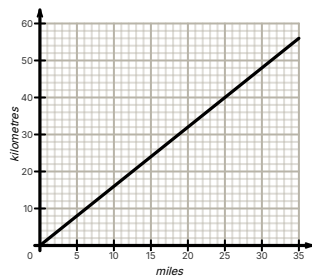
 EITHER PAPER 1 MARK

4 Write $2\frac{1}{4}$ hours in minutes.

 EITHER PAPER 1 MARK

- 5 The graph can be used to change between miles and kilometres.

EITHER PAPER 4 MARKS

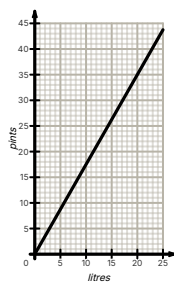


- (a) Use the graph to change 20 miles into kilometres.
(b) Use the graph to change 8 kilometres into miles.

- 6 Priya has an old cookery book that measures liquids in pints, but the jug she owns is marked in litres.

EITHER PAPER 4 MARKS

The graph can be used to change between litres and pints.



- (a) Use the graph to change 20 litres into pints.
(b) Use the graph to change 21 pints into litres.

- 7 (a) Leila has 3.3 m of cord.

EITHER PAPER 3 MARKS

She cuts as many 25 cm pieces from it as she can.

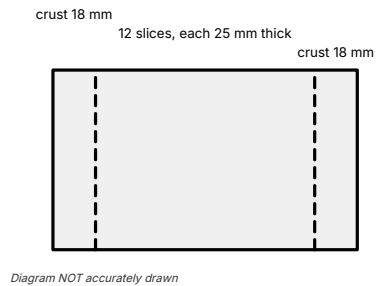
Calculate how many pieces she cuts.

- (b) Calculate the length of cord left over.

Give your answer in centimetres.

8 The diagram shows a loaf of bread.

EITHER PAPER 3 MARKS



Find the total length of the loaf of bread.

Give your answer in centimetres.

9 A drum holds 6.7 litres of paint.

EITHER PAPER 3 MARKS

3 pots of paint are filled from the drum.

Each pot holds 130 millilitres of paint.

What volume of paint is left in the drum?

State the units of your answer.

10 (a) 1 mile is the same as 1.6 kilometres.

EITHER PAPER 4 MARKS

Work out the number of kilometres in 75 miles.

(b) Work out the number of miles in 24 kilometres.

1	(a) cm (b) mm (c) m	2	4.6 cm
3	3000	4	135
5	(a) 32 km (b) 5 miles	6	(a) 35 pints (b) 12 litres
7	(a) 13 (b) 5 cm	8	33.6 cm
9	6.31 litres	10	(a) 120 kilometres (b) 15 miles