

Name: _____ Class: _____ Date: _____

1. On a farm, a farmer keeps three cows for every seven sheep.
If he has 231 cows, how many sheep does he have?

sheep

☐

1 mark

2. A drink of orange squash is made from orange juice and water.
The instructions say: 'Mix one part orange juice to nine parts water.'
How many millilitres of orange juice will be needed to mix 2 litres of orange squash?

ml

☐

1 mark

3. Brad is planting a flower bed.
He wants to plant the flowers so there are two white flowers for every five red flowers.
He has 64 white flowers.
How many flowers will he plant altogether?

flowers

☐

1 mark

☐

Total for this page

4. Gill is tiling her bathroom. She has 100 white tiles and 100 blue tiles. She wants to use a pattern that uses five white tiles to every one blue tile. How many tiles will Gill be able to use altogether?

tiles



1 mark

5. Find 65% of 640.



1 mark

6. A company has three shops. It wants to compare the profit at each shop by using percentages. Complete the table to show each shop's profit as a percentage of its sales.

	Sales in £ 000s	Profit in £ 000s	Profit as a percentage of sales
Shop 1	50	27	%
Shop 2	25	13	%
Shop 3	20	11	%



1 mark



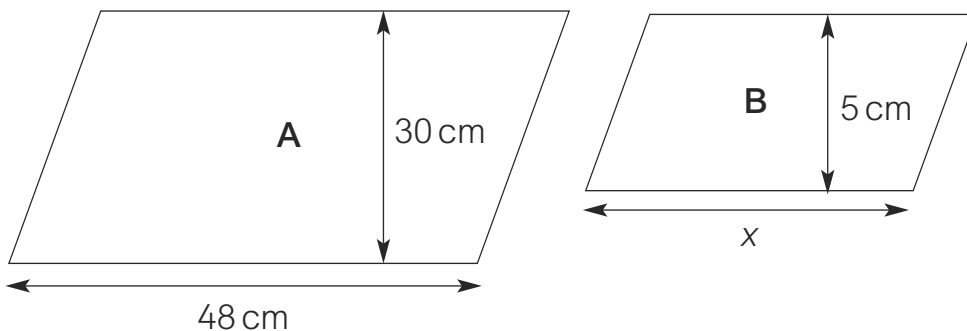
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- 7.** A head teacher is thinking about how to spend some of the school fund. There is £5200 in the school fund. He decides 35% should be spent on school visits and 45% should be spent on equipment for the school. How much money will be left in the fund?

£

2 marks

- 8.** Two similar parallelograms are drawn.



- a)** What is the scale factor from Parallelogram A to Parallelogram B?

1 mark

- b)** What is the length x on Parallelogram B?

cm

1 mark

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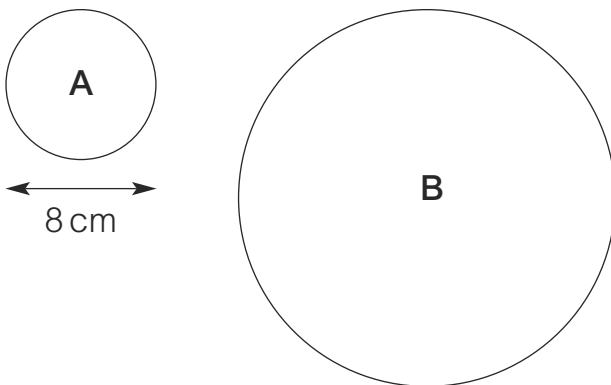
9. The length of the rectangle is 38 cm and its width is 28 cm.
The rectangle is enlarged by a scale factor of $\frac{1}{4}$
What will the length and width of the transformed rectangle be?

length = cm width = cm



1 mark

10



- The diameter of Circle A is 8 cm.
The Circle A to Circle B is and enlarged by a scale factor of 2.5.
What will the diameter of Circle B be?

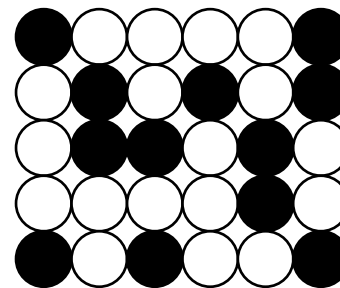
cm



1 mark

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this page

- 11.** Look at the pattern of black and white circles.
Write in the missing number.



There are two black circles to every

white circles.

1 mark

- 12.** Daisy puts £1 and £2 coins into her money box.
Four out of five coins are £1 coins.
If she has 30 coins in her money box, how much money does she have?

£

2 marks

/15

**Total for
this test**