

 MATHS TEACHER HUB
GCSE Foundation revision sheet - 3

1. What is the value of the 3.

472.35

.....

2. Work out

$$\sqrt{64} + 7^2$$

.....

3. Simplify the ratio

24: 8: 12

.....

4. How many minutes are in 2 and a half hours?

.....

5. Ben scored 12 out of 40 on his test.

What percentage is this?

.....

6. Simplify

$$5 \times a \times 3 \times a \times b$$

.....

7. Factorise

$$24y - 18$$

.....

8. Simplify

$$\frac{21e^2f^6}{7ef^{-1}}$$

.....

9. Expand and simplify

$$(x + 7)(x - 5)$$

.....

10. Use your calculator to work out

$$\sqrt{\frac{4.12 \times 0.8}{5.3^2}}$$

.....

11. A dishwasher has been reduced by 30%.

It is now priced at £182.

What was the original price?

.....

12. £1 = €1.08

Convert

(a) £450 into euros

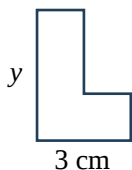
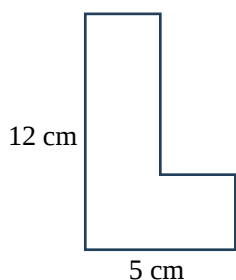
.....

(b) €200 into pounds

.....

13. The shapes below are similar.

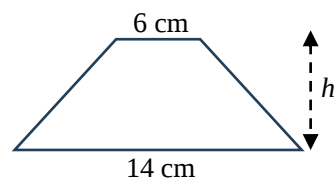
Work out the value of y .



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14. The area of this trapezium is

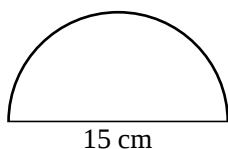
$$40\text{cm}^2$$



Work out the height

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15. Work out the perimeter of this semi-circle



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16. The density of gold is 19.3 g/cm^3

A gold bar has a mass of 46.32 g

Work out the volume of the gold bar.

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