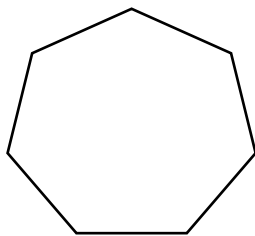


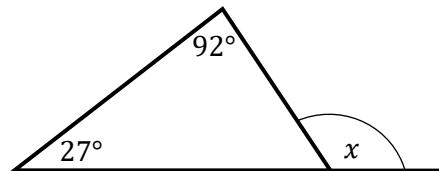
 MATHS TEACHER HUB
GCSE Foundation revision sheet - 22

1. Write down the mathematical name for this shape.



.....

2. Work out the value of x .



.....

3. Convert to a mixed number

$$\frac{27}{4}$$

.....

4. Solve

$$t - 10 = 7$$

.....

5. Factorise

$$m^2 + 4m$$

.....

6. $x = 6, y = -4$

$$2x^2 - 3y$$

.....

7. Work out $2.4 \div 0.06$

.....

8. Simplify

$$\frac{e^7 f^{10} g^2}{e f^2 g^{-1}}$$

.....

9. Leon puts £960 into a savings account that offers 1.5% **simple interest**.

How much will he have in 3 years?

.....

10. Bert washes 8 cars, and Colin washes 11 cars.

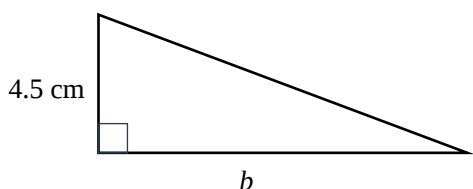
In total they make £142.50

They will share the money respectively by how many cars they have washed.

How much should they each get?

.....

11. The area of the triangle is 54cm^2
Work out the base.



.....

12. 4 taps can fill a pond in 15 hours.
How long would it take 3 taps to fill the pond halfway?

.....

13. Work out

$$\frac{9.15 \times 10^5}{1.2 \times 10^{-3}}$$

Give your answer in standard form.

.....

14. A cube has a surface area of 384 cm^2

Work out the volume of the cube.

.....

15. a is directly proportional to b .
 $b = 30$ when $a = 57$

Work out the value of b when $a = 85.5$

.....

16. Solve these simultaneous equations

$$\begin{aligned} 2x + y &= 7 \\ 2x - 2y &= 16 \end{aligned}$$

.....