

24th May



Corbettmaths

In a sale, normal prices are reduced by 30%.

James bought a wheel for his bicycle. The sale price of the wheel was £175.

Calculate the normal price of the wheel.

$$70\% = 175$$

$$1\% = 2.5$$

$$100\% = \underline{\underline{£ 250}}$$

Make  $k$  the subject of the formula

$$m = 3k + c$$

$$m - c = 3k$$

$$\frac{m - c}{3} = k$$

$$k = \frac{m - c}{3}$$



A calculator displays a number in standard form.

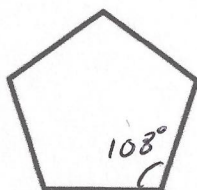
Write the number as an ordinary number.

$$0.000081$$

Write the number that is 500 times larger than the number shown.

$$0.0405$$

Shown is a regular pentagon.



James says a tessellating pattern can be formed from using only regular pentagons.

Is he correct? Explain your answer.

No 108 is not a factor of 360