Name: _____ 5-a-day Higher

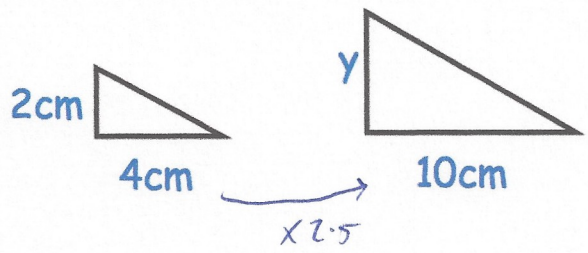
**3rd March**

Corbettmaths

Simplify

$$\frac{6a^3b \times 4ab^5}{8ab^2}$$

$$\frac{24a^4b^6}{8ab^2} = 3a^3b^4$$




These triangles are similar

Calculate y

$2 \times 2.5 = 5\text{cm}$

Write 0.56666666... as a fraction

$x = 0.5666...$

$10x = 5.666...$

$100x = 56.666...$

$90x = 51$

$x = \frac{51}{90} = \frac{17}{30}$

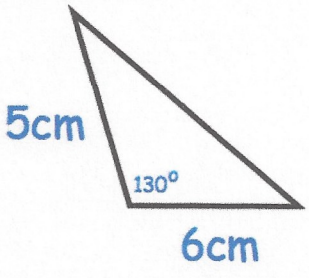
Solve $w^2 + 2w = 8$

$w^2 + 2w - 8 = 0$

$(w+4)(w-2) = 0$

$w = -4$ or $w = 2$

Calculate the area




$\frac{1}{2}ab\sin C$

$\frac{1}{2} \times 5 \times 6 \times \sin 130$

$= 11.49\text{cm}^2$