

3rd October



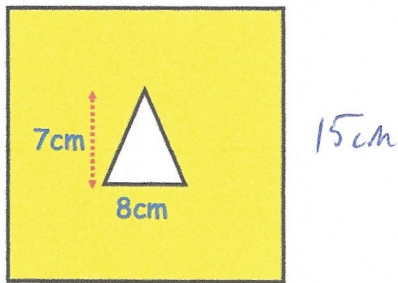
Corbettmaths



The small bottle holds 250ml.
The large bottle holds 2L.

How many times larger is the large bottle?

8



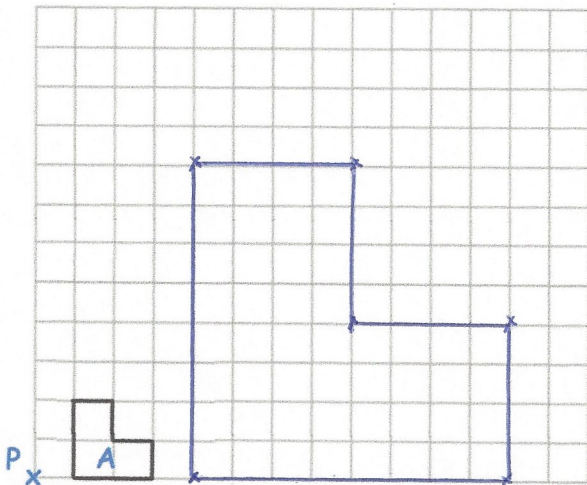
The perimeter of the square is 60cm. $60 \div 4 = 15$

Find the shaded area.

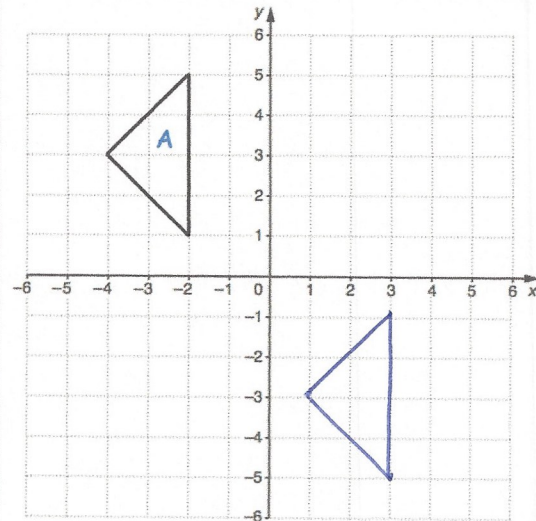
$$15 \times 15 = 225$$

$$\frac{1}{2} \times 8 \times 7 = 28$$

$$225 - 28 = 197 \text{ cm}^2$$



Enlarge shape A by scale factor 4



Translate triangle A by

$\begin{pmatrix} 5 \\ -6 \end{pmatrix}$ 5 right
6 down

Write 60 as a product of primes

$$60$$

$$\begin{array}{r} \swarrow \\ (2) \ 30 \\ \swarrow \downarrow \\ (2) \ 15 \\ \swarrow \downarrow \\ (3) \ 5 \end{array}$$

$$2 \times 2 \times 3 \times 5$$

or

$$2^2 \times 3 \times 5$$