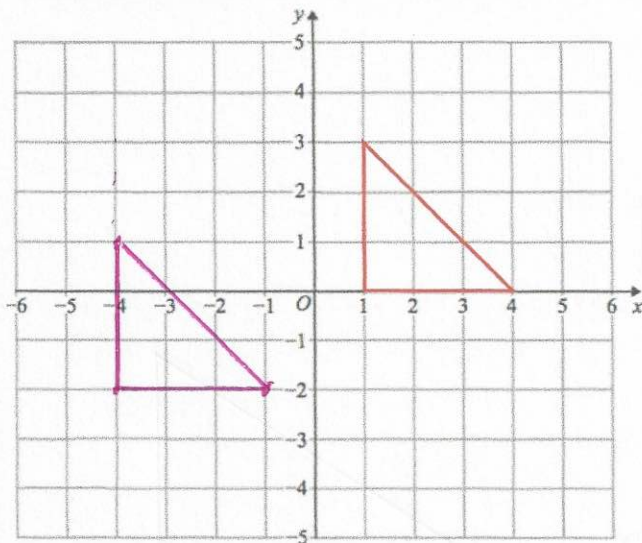


1st August



Corbettmaths



Translate the red triangle, by the translation vector

$$\begin{pmatrix} -5 \\ -2 \end{pmatrix}$$

Solve  $6x - 10 = 8$ 

$$\begin{aligned} 6x &= 18 \\ x &= 3 \end{aligned}$$

Solve  $8 - x = 2$ 

$$\begin{aligned} 8 &= 2 + x \\ 6 &= x \\ x &= 6 \end{aligned}$$

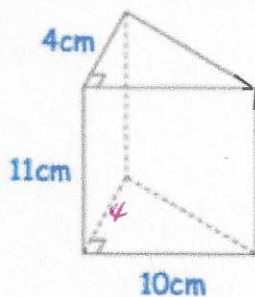
The ratio of red beads to white beads on a necklace is 2:1.

What fraction of the beads are white?

$$\frac{1}{3}$$

There are 42 red beads, how many beads are there in total?

$$\begin{aligned} 42 \div 2 &= 21 \\ 21 \times 3 &= 63 \\ &= \end{aligned}$$



Calculate the volume of this prism.

$$\begin{aligned} \frac{1}{2}(4 \times 10) &= 20 \\ 20 \times 11 &= 220 \text{ cm}^3 \end{aligned}$$