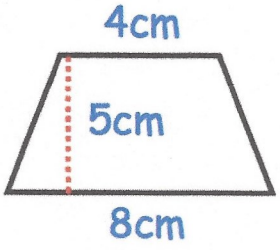
27th August

Corbettmaths



$A = \frac{1}{2}(a+b)h$

$= \frac{1}{2}(4+8) \times 5$

$= \frac{1}{2}(12) \times 5$

Calculate the area of the trapezium

$30\ cm^2$

Expand and simplify

(5y - 2)(2y + 3)

$10y^2 + 15y - 4y - 6$

$10y^2 + 11y - 6$

x = 10y + 14

Rearrange the formula to make y the subject

$x - 14 = 10y$

$y = \frac{x-14}{10}$

A coin is flipped and a dice is rolled.

What is the probability of a tail and a 3

T1 T2 T3 T4 T5 T6

H1 H2 H3 H4 H5 H6

$\frac{1}{12}$

$a = \begin{pmatrix} 6 \\ -4 \end{pmatrix}$ $b = \begin{pmatrix} -2 \\ 1 \end{pmatrix}$

$2a = \begin{pmatrix} 12 \\ -8 \end{pmatrix}$

Work out 2a + b

$\begin{pmatrix} 10 \\ -7 \end{pmatrix}$