Name: Answers 5-a-day Foundation

10th January

Corbettmaths

Write 40% as a fraction

$= \frac{40}{100} = \frac{2}{5}$

Write 15% as a fraction

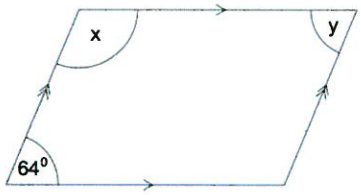
$= \frac{15}{100} = \frac{3}{20}$

A car travels 100 miles in 4 hours.

What is its average speed?

$S = \frac{D}{T} = \frac{100}{4}$

$= 25$ mph



The diagram above shows a parallelogram.

Work out the size of angle x.

$180 - 64 = 116°$

Work out the size of angle y.

$64°$

Calculate the nth term

6 , 11, 16, 21, 26, ...

+5 +5 +5 +5

It goes up by 5 so 5n

nth term 5n + 1

Using the nth term, calculate the 100th term in the sequence

$5n + 1$

$n = 100$

$5n + 1 = (5 \times 100) + 1$

$= 501$

Here are 4 expressions.

gh g + h g – h $g^2 + h^2$

If g = 10 and h = –2 arrange the expressions in order, smallest to largest.

$gh = 10 \times -2 = -20$

$g + h = 10 + (-2) = 10 - 2 = 8$

$g - h = 10 - (-2) = 10 + 2 = 12$

$g^2 + h^2 = 10^2 + (-2)^2 = 100 + 4 = 104$

In order:

gh, $g + h$, $g - h$, $g^2 + h^2$

© Corbettmaths 2015