April 10th	5-a-day	Numeracy

Add 6 to the product of 7 and 8

$7 \times 8 = 56$

$56 + 6 = 62$

Find the sum of 74 and 899

$$\begin{array}{r} 899 \\ +\ 74 \\ \hline 973 \\ {\scriptstyle 1\ 1} \end{array}$$

973

How many months are in 4 years?

4×12

48

How many days are there in 12 weeks?

7×12

84

Work out 30 - 10 x 2

$30 - 20$

$= 10$

Work out 4 x (2 + 7)

$4 \times 9 = 36$

Recipe for 12 Chocolate Flapjacks:

100g margarine
4 spoons of golden syrup
80g sugar
200g rolled oats
12 squares of chocolate

How much is needed for 18 flapjacks?

6 Flapjacks
50g
2
40g
100g
6 squares

18
150g
6 spoons
120g
300g
18 squares

5 cup of tea cost £4.50

How much do 8 cups cost?

1 cup = 90p.

8 cups = £7.20

April 10th	5-a-day	Foundation

0.4 x 0.1

0.04

70 ÷ 0.2

700 ÷ 2

= 350

How far would you travel if you travelled for 3 hours at 40mph?

3 x 40

120 miles

How long does it take to travel 150 miles at 30mph?

150 ÷ 30

= 5 hours

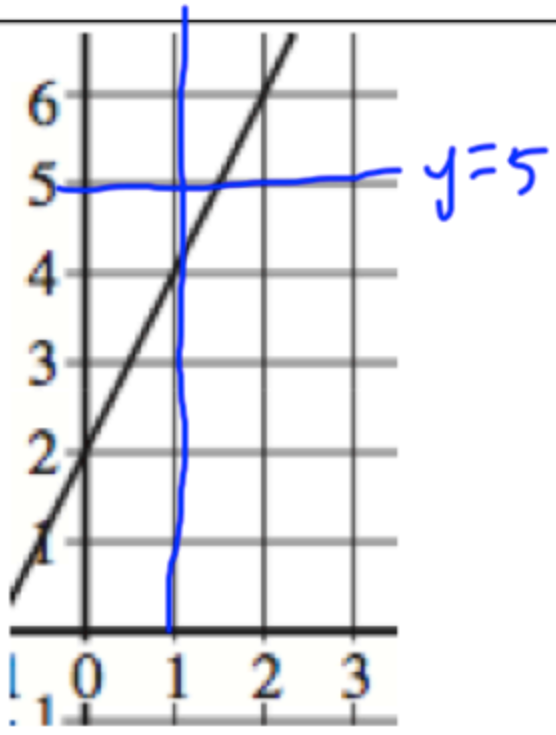
On the grid below, draw x = 1

Draw y = 5

x = 1

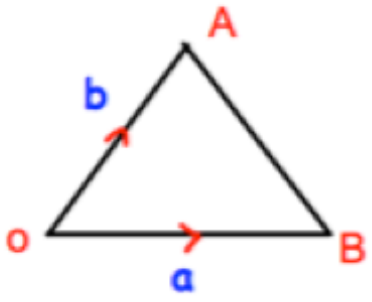
Write down the gradient of this line

2



What is the equation of this line

y = 2x + 2

April 10	5-a-day	Higher
Find the LCM of 32 and 48 96	$32 = 2\times2\times2\times2\times2$ $48 = 2\times2\times2\times2\times3$	
Find the HCF of 32 and 48 16		
Rationalise the denominator $\frac{3}{\sqrt{2}} \times \frac{\sqrt{2}}{\sqrt{2}}$ $\frac{3\sqrt{2}}{2}$	$y = \frac{32}{x^3}$ $y = 32$	
y is inversely proportional to the cube of x. If y = 4, x = 2. Find y when x = 1.	$y = \frac{k}{x^3}$ $4 = \frac{k}{8}$ $k = 32$	
	What is the vector AB? $-\underline{b} + \underline{a}$	