THURSDAY LEVEL 3 FLUENCY WEEK 7

1) In this equation, x and y are positive whole numbers with y being less than 20. How many values of x and y can you find?

Use a table to organise your findings.

$2x + 5 = y$

2) a) In this equation, a and b are positive whole numbers. Find all the possible values of a and b, recording the pairs of numbers in a table.

$3a + 2b = 40$

a	b

b) Explain any patterns you can see in the pairs of numbers you have found, and how you can use this to know all the possible pairs of numbers have been found.

9a. Match the pairs of numbers to the equations.

-18 + 31	$a - b = 11.1$
23.2 – 12.1	$c + d = 13$
49 ÷ 7	$e \div f = 7$
31.4 – 12.5	$j - k = 18.9$

GD

VF

10a. Which set of values is the odd one out?

$$r + s = -15.6$$

$r = 29.4$ $s = -45$	$r = 3.7$ $s = -12.9$	$r = -3.1$ $s = -12.5$

GD

VF

11a. Tick the options that satisfy the equation.

$$n \times m = 10$$

A. $n = 0.25$ $m = 40$

B. $n = 84$ $m = 73$

C. $n = \frac{3}{4}$ $m = 12$

D. $n = 2.5$ $m = 4$

12a. Jameela can only find 8 pairs of integer values below 30 for x and y. How many more are there?

$$x \div y = 3$$