

02.03.21 Fluent in five

1) 50% of 769 =

2) 75% of 690 =

3) 19% of 380 =

4) $4x + 1 = 65$

5) $7538 \times 56 =$

6) $9300 \div 15 =$

1) 10% of 750 =

2) 15% of 450 =

3) 2% of 670 =

4) $2x + 4 = 12$

5) $875 \times 5 =$

6) $9023 \div 4 =$

WALT find pairs of
values

<https://vimeo.com/502664420>

Today we are going to find pairs of values to make equations. For example

$$a + b = 10$$



What could a and b be?

How many possibilities are there?

a) Here is an equation.

$$\text{Green Circle} + \text{Blue Square} = 12$$

Find six possible pairs of values for the circle and square.

b) Here is another equation.

$$x + y = 12$$

Find six possible pairs of values for x and y .

x							
y							

What's the same?

What's different?

a and b are whole numbers.

$$a + b = 8$$

Complete the table to show different possible values for a and b .

a	0	1	2					
b								
$a + b$	8	8						

What patterns do you notice?

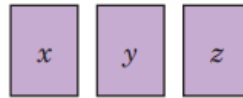
c and d are both numbers less than 20

$$c - d = 4$$

Complete the table to show possible values for c and d .

c								
d								
$c - d$								

Rosie has three number cards.



- The sum of the cards is 12
- x is greater than y and y is greater than z .
- All the numbers are greater than zero.

List all the possible values of x , y and z .

x							
y							
z							

Varied Fluency

a and b are variables:

$$a + b = 6$$

There are lots of possible solutions to This equation.
Find 5 different possible integer values for a and b .

a	b

X and Y are whole numbers.

- X is a one digit odd number.
- Y is a two digit even number.
- $X + Y = 25$

Find all the possible pairs of numbers that satisfy the equation.

$$c \times d = 48$$

What are the possible integer values of c and d ?
How many different pairs of values can you find?

a , b and c are integers between 0 and 5

$$a + b = 6$$

$$b + c = 4$$

Find the values of a , b and c

How many different possibilities can you find?

x and y are both positive whole numbers.

$$\frac{x}{y} = 4$$

Dora says,



x will always be a multiple of 4

Jack says,



y will always be a factor of 4

Only one is correct – who is it?
Explain your answer.