a and b are whole numbers.

$$a + b = 8$$

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

а	0	1	2	3	4	5	6	7
b	8	7	6	5	4	3	2	
a + b	8	8	8	8	8	8	8	8

What patterns do you notice?

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.

X	Y
1	24
3	22
5	20
7	18
9	16

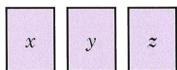
 \boldsymbol{a} and \boldsymbol{b} are integers.

$$ab = 24$$

List all the possible values for \boldsymbol{a} and \boldsymbol{b} .

9	l	12	3	4	6	8	12	24
b	The state of the s	12	SHAREST LINES AND ADDRESS OF THE PARTY OF TH				2	1

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.

\boldsymbol{x}	9	8	7	6	7	6	5
у	2	3	4	5	3	4	4
z	1	1			2	2	3

x and y are both positive whole numbers.

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

Dora says,



x will always be a multiple of 4

Dora is correct as a will always have to divide into 4 equal parts.

Jack says,



y will always be a factor of 4

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

Jack is incorrect 40:10=4 and 10 is not a factor of 4 Here is an equation.

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

	2	3	4	5	6
	10	9	8	7	6

Here is another equation.

$$x + y = 12$$

Find six possible pairs of values for x and y.

x		2	3	4	5	6
у	11	10	9	8	7	6

lpha 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.

а	b
	5
2	4
3	3
4	2
5	