Chose values of x and use the equation to work out the values of y.

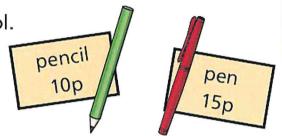
$$7x + 4 = y$$

Value of x	Value of y				

Aisha is buying some stationery for school.

She spends exactly £1

List the possible combinations of pencils and pens that Aisha could have bought.

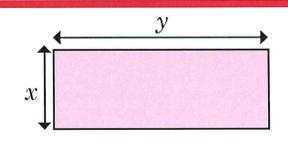


- · 10 pencils
- · 2 pens and 7 penculs
- . 4 pens and 4 pencils

Here is a rectangle.

x and y are both integers.

$$2x + 2y = 28$$



· 6 pens and I pencil

The rectangle has a perimeter of 28 cm.

List all the possible pairs of values for x and y.

$$x=1$$
 $y=13$ $x=2$ $y=12$

$$x=4 \quad y=10$$

$$3c = 5 \qquad y = 9$$

$$3c = 6 \qquad y = 8$$

$$ab + b = 18$$

Mo says,



a and b must both be odd numbers

Incorrect because
a could be 2
b would be 6
and they are even
mumbes.

Is Mo correct? No Explain your answer.

Large beads cost 5p and small beads cost 4p

Rosie has 79p to spend on beads.



4p



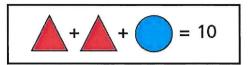
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Possible answers:

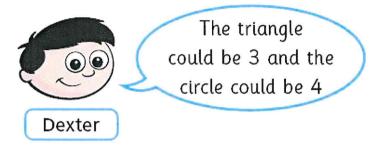
How many different combinations of small and large beads can Rosie buy?

Can you write expressions that show all the solutions?

Class 6 are trying to solve a number puzzle.



a)

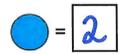


Do you agree with Dexter?

Explain why. 3 + 3 + 4 = 10

The triangle is worth 4

What is the value of the circle in Dora's number puzzle?



c) Find other pairs of values that the triangle and circle could equal. Find three pairs.

In this equation, a and b are both whole numbers which are less than 12.

$$2a = b$$

Write the calculations that would show all the possible values for a and b.

$$a = 1$$
 $b = 2$
 $a = 2$ $b = 4$
 $a = 3$ $b = 6$

a and b are whole numbers.

$$2a + b = 14$$

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

а	0	1	2	3	4	5	6	7
2 a	0	2	4	6	8	10	12	14
b	14	12	10	8	6	4	2	0
2a + b	14	14	14	14	14	14	14	14