Find pairs of values (1)



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a) Here is an equation.



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			
У			

c) What is the same and what is different about part a) and part b)?

Kim buys these two items from a cafe.

The total cost is 90p.





a) What could the cost of each item be?

b) Compare answers with a partner.

c)



A coffee could cost 90p.

Is this possible?	
Explain your answer.	

 $oldsymbol{3}$ a and b are whole numbers.

$$a + b = 8$$

Complete the table to show different possible values for \boldsymbol{a} and \boldsymbol{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.

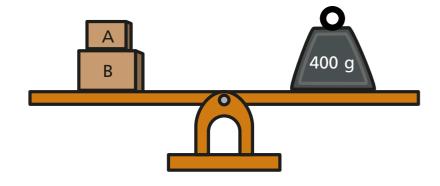
c				
d				
c-d				

a and b are integers.

$$ab = 24$$

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

Some scales are balanced.

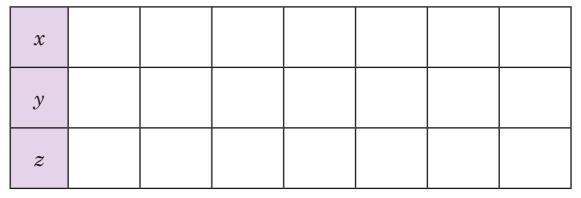


What could the masses of the boxes be?



- 7 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.



Eva is plotting co-ordinates (x, y) on a grid.
She is only plotting co-ordinates where x + y = 10
Plot all the points Eva can plot on the grid.

