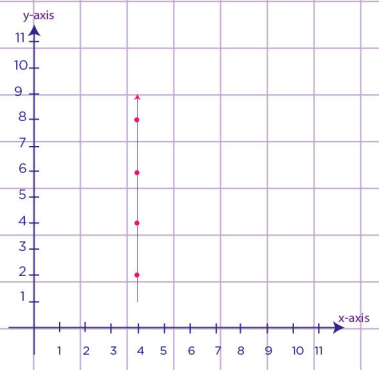
Name: ..... Class: .....

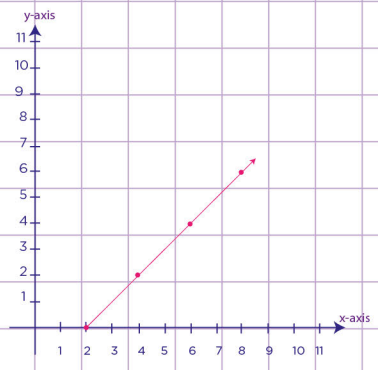
Graph a two-variable relationship

a. The equation and table below describe a relationship between x and y.
x - 2 = y. choose the graph that represents this relationship.

x	y
2	0
4	2
6	4
8	6



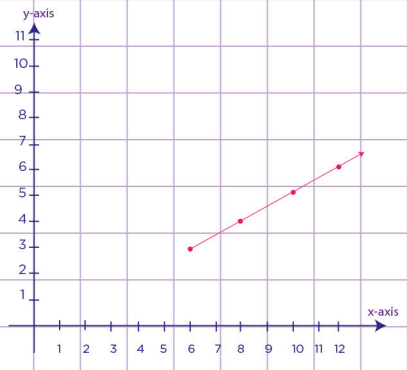
☐ Graph A



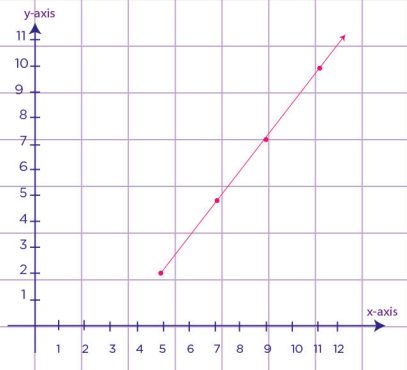
☐ Graph B

b. The equation and table below describe a relationship between x and y.
x ÷ 2 = y. Fill in the table and choose the graph that represents this relationship.

x	y
12	6
10	
8	4
6	



☐ Graph A



☐ Graph B

Solution

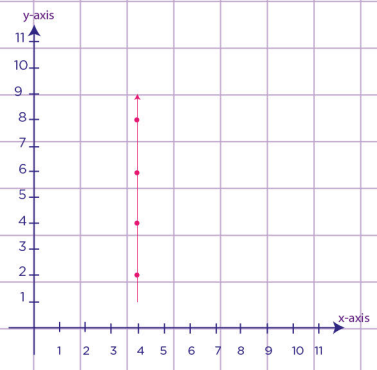
mathskills4kids

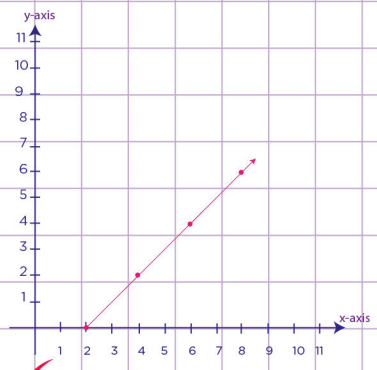
Name: ..... Class: .....

Graph a two-variable relationship

a. The equation and table below describe a relationship between x and y.
x - 2 = y. choose the graph that represents this relationship.

x	y
2	0
4	2
6	4
8	6





☐ Graph A ☑ Graph B

Graph A.

The graph that represents this relationship must have ordered pairs that is true for the equation, x-2 =y

Now, let's write down the ordered pairs using the numbers in the table.

x	y	(x,y)
2	0	(2,0)
4	2	(4,2)
6	4	(6,4)
8	6	(8,6)

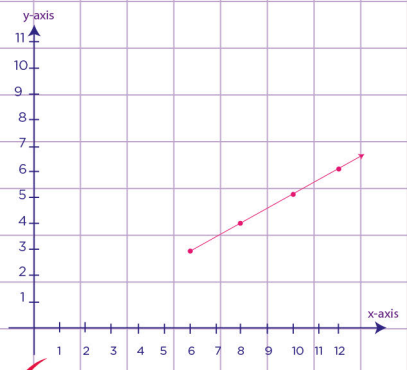
Then, let's plot a point for each ordered pair and draw a line through these points

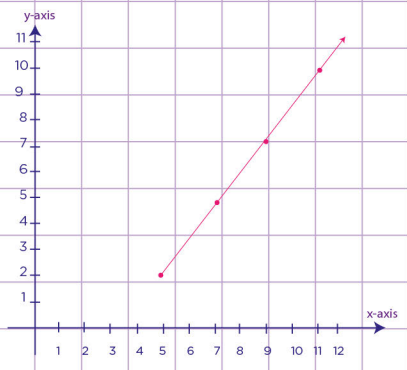
This line shows all ordered pairs that fulfills the equation x-2 = y

So, graph b describes the relationship between x and y.

b. The equation and table below describe a relationship between x and y.
x ÷ 2 = y. Fill in the table and choose the graph that represents this relationship.

x	y
12	6
10	5
8	4
6	3





☑ Graph A ☐ Graph B