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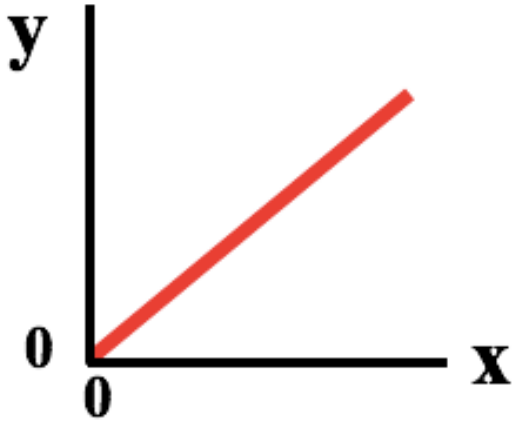
Question 1:

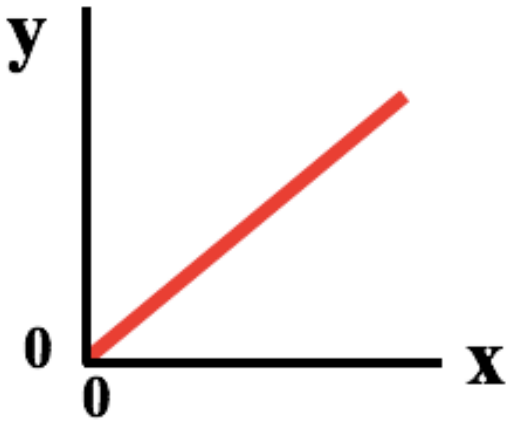
One of these representations is not like the others. Which one doesn't belong?

x	y
0.0	3.0
1.0	3.0
2.0	3.0
3.0	3.0
4.0	3.0

"As the value of x is doubled, the value of y stays the same."



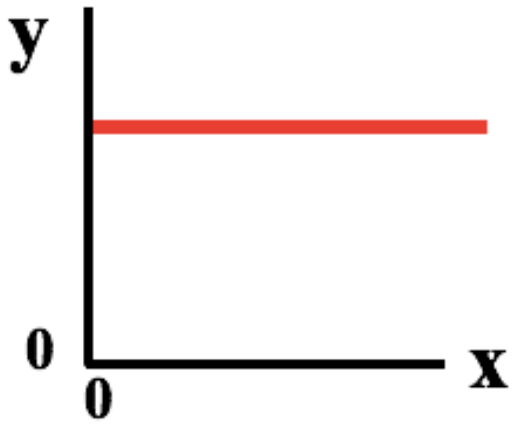
Question 2:
One of these representations is not like the others. Which one doesn't belong?



x	y
0.0	4.0
1.0	4.0
2.0	4.0
3.0	4.0
4.0	4.0

"As the value of x is doubled, the value of y stays the same."

Question 3:
One of these representations is not like the others. Which one doesn't belong?



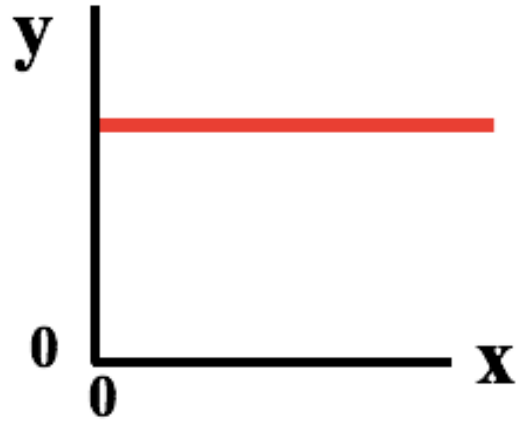
"As the value of x is doubled, the value of y is doubled."

x	y
0.0	4.0
1.0	4.0
2.0	4.0
3.0	4.0
4.0	4.0

Question 4:
One of these representations is not like the others. Which one doesn't belong?

x	y
0.0	6.0
1.0	6.0
2.0	6.0
3.0	6.0
4.0	6.0

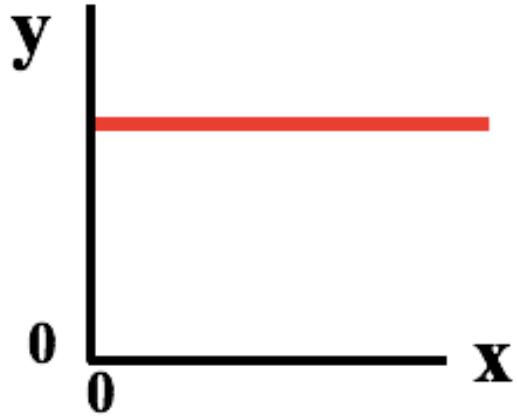
"As the value of x is doubled, the value of y is doubled."



Question 5:
One of these representations is not like the others. Which one doesn't belong?

x	y
0.0	0.0
1.0	4.0
2.0	8.0
3.0	12.0
4.0	16.0

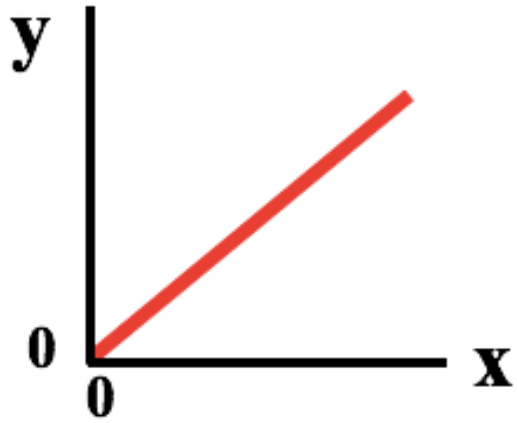
"The relationship between x and y is linear."



Question 6:
One of these representations is not like the others. Which one doesn't belong?

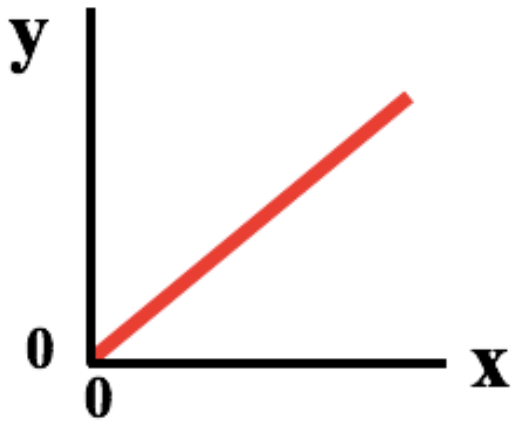
"The relationship between x and y is linear."

x	y
0.0	0.0
1.0	1.0
2.0	4.0
3.0	9.0
4.0	16.0



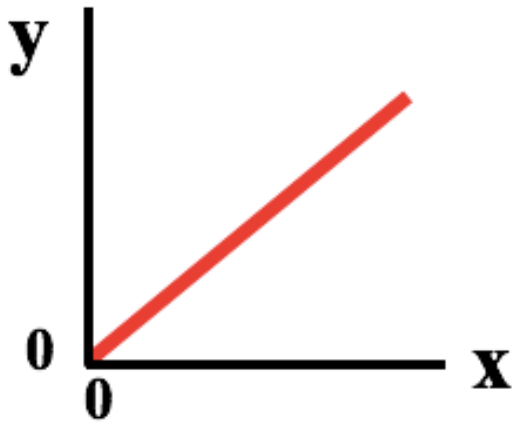
Question 7:
One of these representations is not like the others. Which one doesn't belong?

"As the value of x is doubled, the value of y is halved."



x	y
0.0	0.0
1.0	3.0
2.0	6.0
3.0	9.0
4.0	12.0

Question 8:
One of these representations is not like the others. Which one doesn't belong?

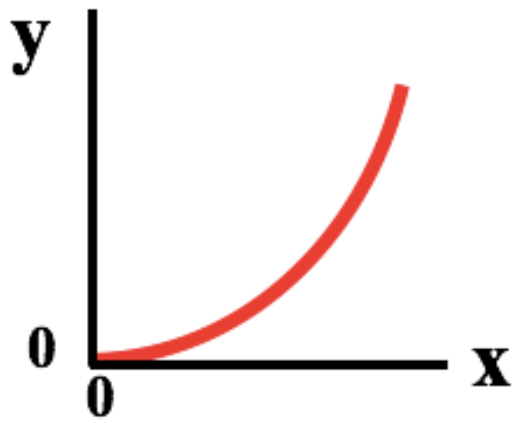


x	y
0.0	4.0
1.0	4.0
2.0	4.0
3.0	4.0
4.0	4.0

"As the value of x is doubled, the value of y is doubled."

Question 9:
One of these representations is not like the others. Which one doesn't belong?

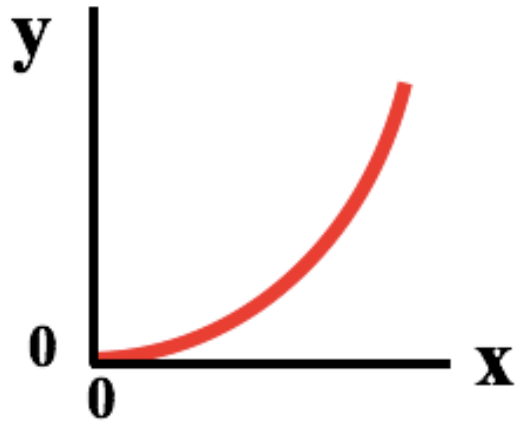
x	y
0.0	0.0
1.0	1.0
2.0	4.0
3.0	9.0
4.0	16.0



"As the value of x is doubled, the value of y is doubled."

Question 10:
One of these representations is not like the others. Which one doesn't belong?

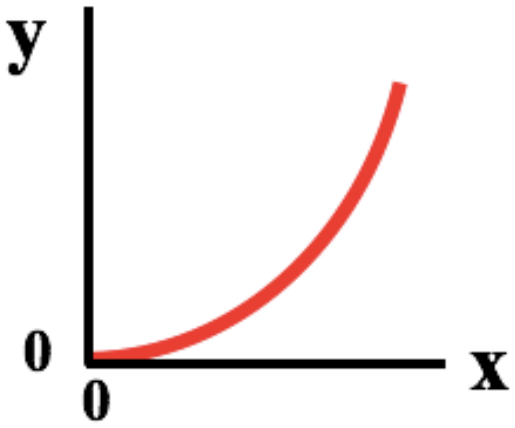
"As the value of x is doubled, the value of y is quadrupled."



x	y
0.0	0.0
1.0	2.0
2.0	4.0
3.0	6.0
4.0	8.0

Question 11:
One of these representations is not like the others. Which one doesn't belong?

x	y
0.0	0.0
1.0	2.0
2.0	4.0
3.0	6.0
4.0	8.0



"As the value of x is doubled, the value of y is quadrupled."

Question 12:
One of these representations is not like the others. Which one doesn't belong?

"As the value of x is doubled, the value of y is quadrupled."

x	y
0.0	0.0
1.0	1.0
2.0	4.0
3.0	9.0
4.0	16.0

Question 13:
One of these representations is not like the others. Which one doesn't belong?

x	y
8.0	3.0
6.0	4.0
4.0	6.0
3.0	8.0
2.0	12.0

"The relationship between x and y is quadratic."

Question 14:
One of these representations is not like the others. Which one doesn't belong?

"As the value of x is doubled, the value of y is quadrupled."

x	y
4.0	12.0
6.0	8.0
8.0	6.0
12.0	4.0
16.0	3.0

Question 15:
One of these representations is not like the others. Which one doesn't belong?

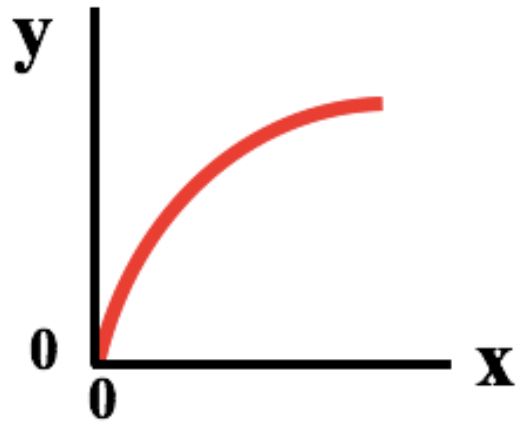
"As the value of x is doubled, the value of y is halved."

x	y
1.0	12.0
2.0	8.0
3.0	4.0
4.0	2.0
5.0	1.0

Question 16:
One of these representations is not like the others. Which one doesn't belong?

"The quantities x and y are inversely proportional."

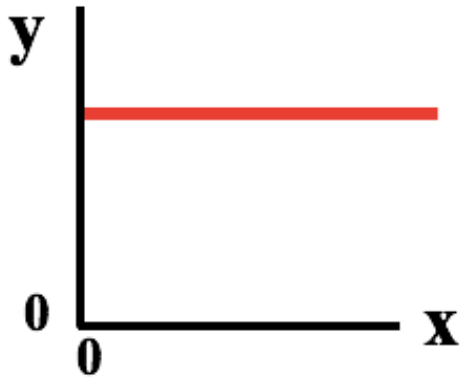
x	y
1.0	12.0
2.0	6.0
3.0	4.0
4.0	3.0
5.0	2.4



Question 17:
One of these representations is not like the others. Which one doesn't belong?

x	y
0.0	0.0
1.0	3.0
2.0	6.0
3.0	9.0
4.0	12.0

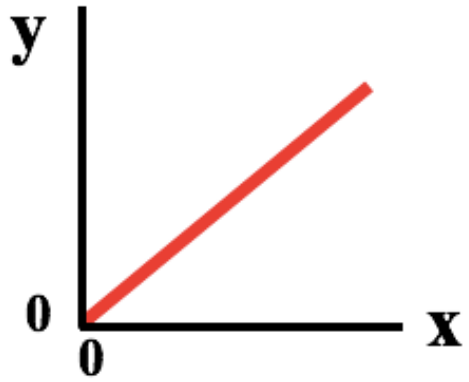
"The relationship between the quantities x and y is linear."



The data are described by $y = 3 \cdot x$

Question 18:
One of these representations is not like the others. Which one doesn't belong?

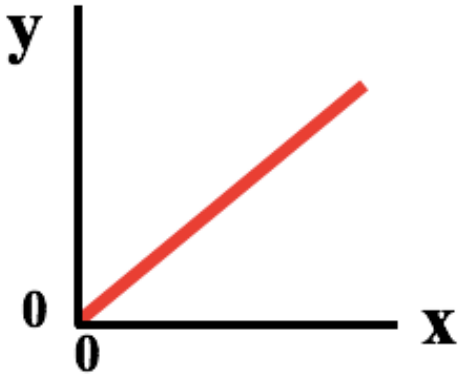
"The relationship between the quantities x and y is linear."



The data are described by $y = 3 \cdot x + 3$

x	y
0.0	0.0
1.0	3.0
2.0	6.0
3.0	9.0
4.0	12.0

Question 19:
One of these representations is not like the others. Which one doesn't belong?



The data are described by $y = 4 \cdot x$

x	y
0.0	0.0
1.0	4.0
2.0	8.0
3.0	12.0
4.0	16.0

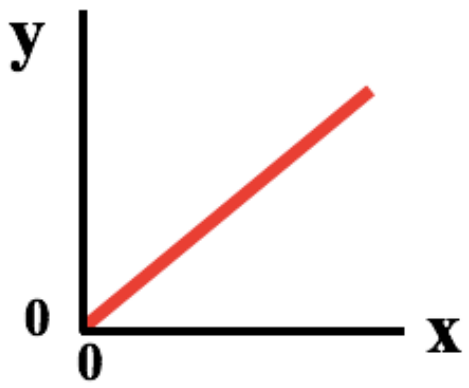
"As the value of x is doubled, the value of y is quadrupled."

Question 20:
One of these representations is not like the others. Which one doesn't belong?

$y = k \cdot x$ where k is a constant.

x	y
0.0	0.0
1.0	6.0
2.0	12.0
3.0	24.0
4.0	48.0

"As the value of x is doubled, the value of y is doubled."

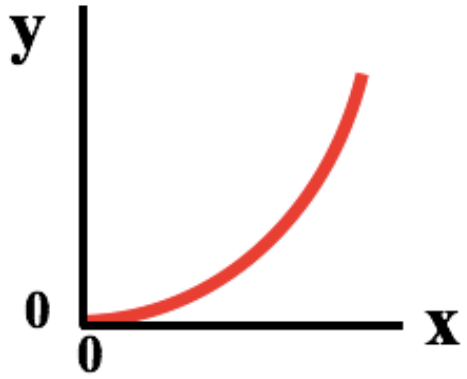


Question 21:
One of these representations is not like the others. Which one doesn't belong?

x	y
0.0	0.0
1.0	1.0
2.0	4.0
3.0	9.0
4.0	16.0

"As the value of x is doubled, the value of y is doubled."

The data are described by $y = x^2$



Question 22:
One of these representations is not like the others. Which one doesn't belong?

"The relationship between x and y is quadratic."

x	y
0.0	0.0
1.0	2.0
2.0	8.0
3.0	18.0
4.0	32.0

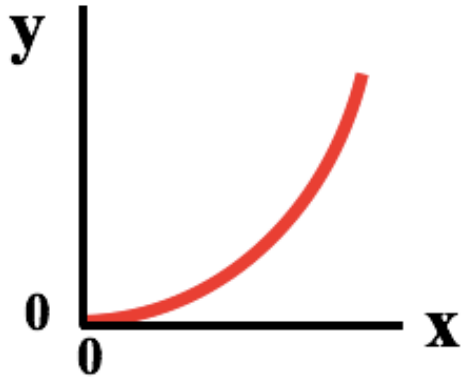
The data are described by $y = 2 \cdot x^2$

Question 23:
One of these representations is not like the others. Which one doesn't belong?

The data are described by $y = 3 \cdot x^2$

"As the value of x is doubled, the value of y is squared."

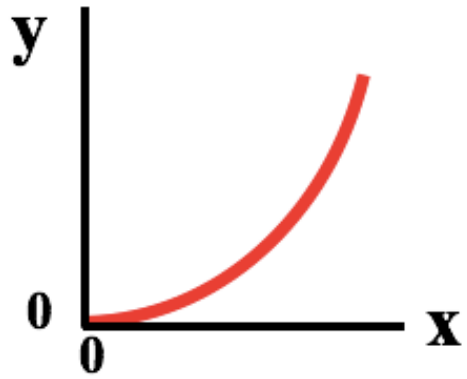
x	y
0.0	0.0
1.0	3.0
2.0	12.0
3.0	27.0
4.0	48.0



Question 24:
One of these representations is not like the others. Which one doesn't belong?

$y = k \cdot x^2$ where k is a constant.

"As the value of x is doubled, the value of y is quadrupled."

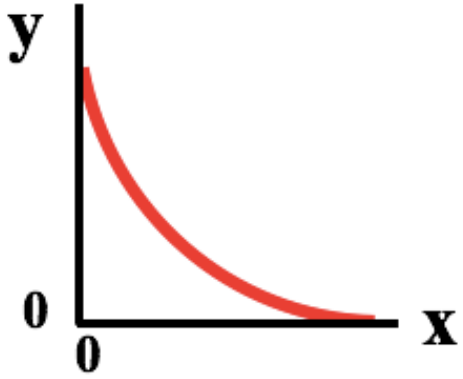


x	y
0.0	0.0
1.0	2.0
2.0	4.0
3.0	16.0
4.0	25.0

Question 25:
One of these representations is not like the others. Which one doesn't belong?

x	y
1.0	12.0
2.0	6.0
3.0	4.0
4.0	3.0
5.0	2.4

The data are described by $x \cdot y = 12$



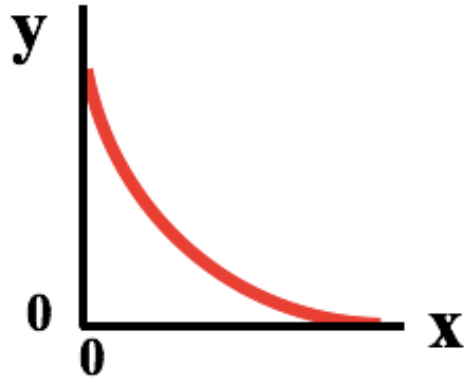
"The value of y is the reciprocal of the value of x."

Question 26:
One of these representations is not like the others. Which one doesn't belong?

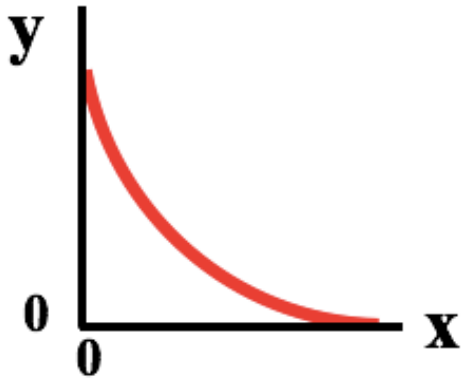
The data are described by $y = 48 \cdot x$

x	y
4.0	12.0
6.0	8.0
8.0	6.0
12.0	4.0
16.0	3.0

"The quantities x and y have an inverse relationship."



Question 27:
One of these representations is not like the others. Which one doesn't belong?



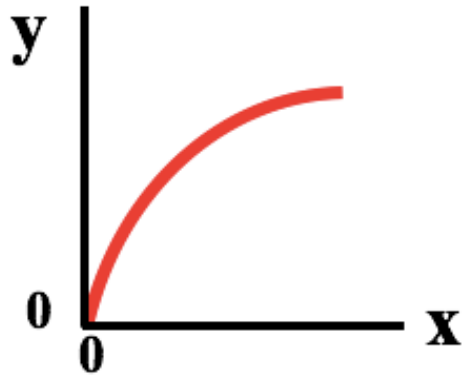
x	y
1.0	24.0
2.0	20.0
3.0	16.0
4.0	12.0
5.0	8.0

"The quantities x and y have an inverse relationship."

$x \cdot y = k$ where k is a constant.

Question 28:
One of these representations is not like the others. Which one doesn't belong?

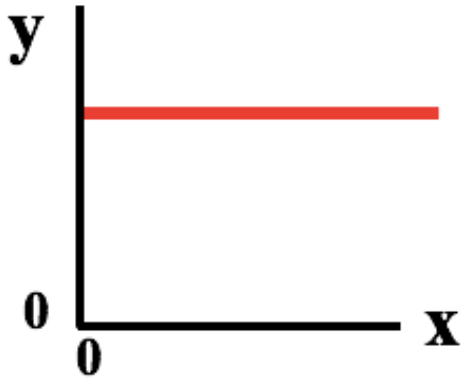
The data are described by $x \cdot y = 24$



x	y
1.0	24.0
2.0	12.0
3.0	8.0
4.0	6.0
5.0	4.8

"The quantities x and y have an inverse relationship."

Question 29:
One of these representations is not like the others. Which one doesn't belong?



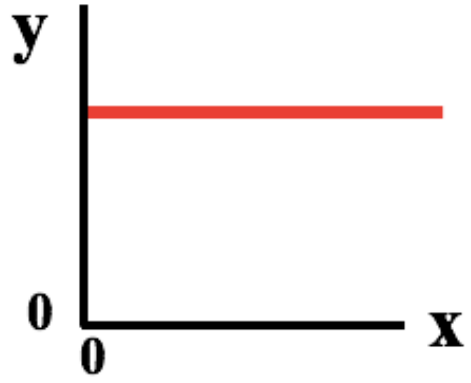
x	y
0.0	3.0
1.0	3.0
2.0	3.0
3.0	3.0
4.0	3.0

This data is described by $y = 3 \cdot x$

"Changes in x have no effect upon the values of y."

Question 30:
One of these representations is not like the others. Which one doesn't belong?

"The values of x are equal to the values of y."



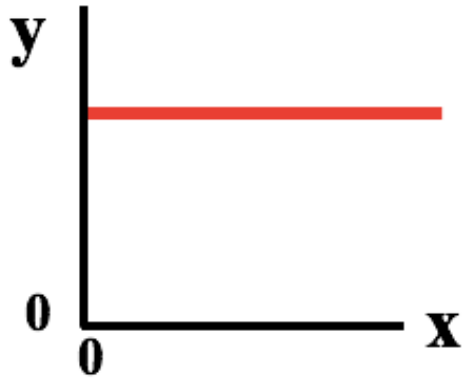
x	y
0.0	4.0
1.0	4.0
2.0	4.0
3.0	4.0
4.0	4.0

This data is described by y = 4

Question 31:
One of these representations is not like the others. Which one doesn't belong?

y = k where k is a constant.

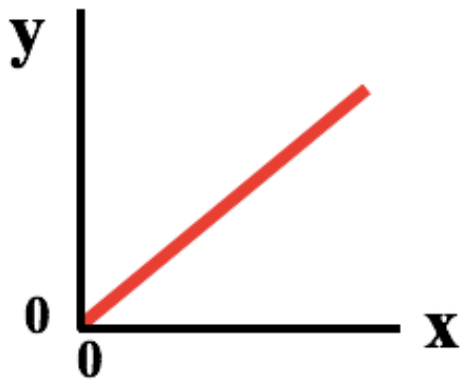
"Changes in x have no effect upon the values of y."



x	y
0.0	0.0
1.0	1.0
2.0	2.0
3.0	3.0
4.0	4.0

Question 32:
One of these representations is not like the others. Which one doesn't belong?

x	y
0.0	6.0
1.0	6.0
2.0	6.0
3.0	6.0
4.0	6.0

This data is described by y = 6

"As the value of x is doubled, the value of y stays the same."