Graph Two Patterns

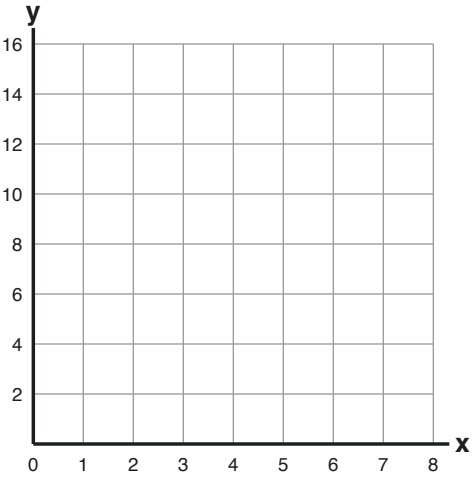
Name: _____

Grade 5 · Make x and y from two rules, graph the ordered pairs and describe how the two patterns relate

Finish each table from its rules. Plot each (x, y) pair on the grid and join the points. Then answer the questions.

1. Rule for x: start at 0, add 2.
Rule for y: start at 0, add 4.

x	y
0	0

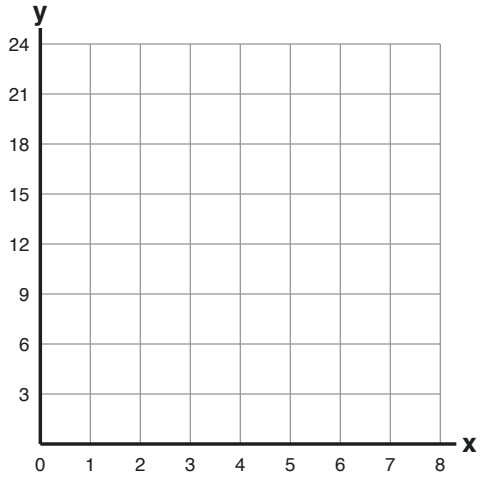


Each y is ____ times its x.

If the patterns go on, what is y when x is 10?_____

2. Rule for x: start at 0, add 2.
Rule for y: start at 0, add 6.

x	y
0	0

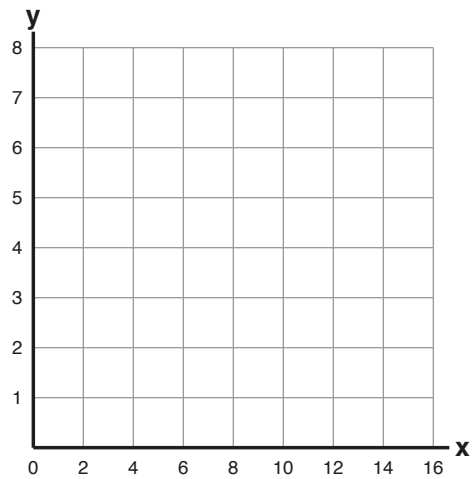


Each y is ____ times its x.

If the patterns go on, what is y when x is 10?_____

3. Rule for x: start at 0, add 4.
Rule for y: start at 0, add 1.

x	y
0	0

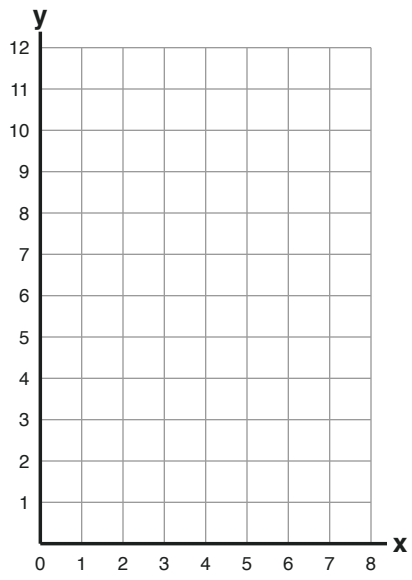


Each x is ____ times its y.

If the patterns go on, what is y when x is 20?_____

4. Rule for x: start at 0, add 2.
Rule for y: start at 3, add 2.

x	y
0	3



Each y is ____ more than its x.

If the patterns go on, what is y when x is 10?_____

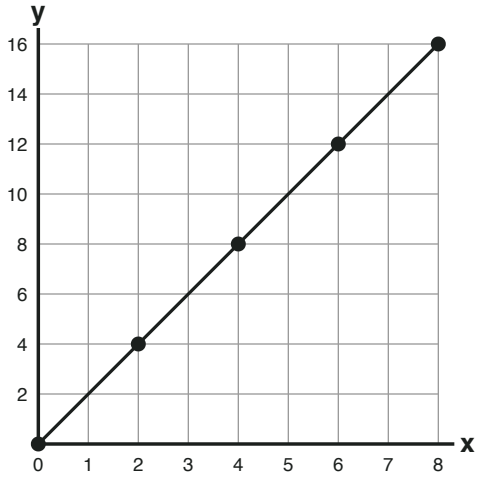
Graph Two Patterns (Answer Key)

Grade 5 · Make x and y from two rules, graph the ordered pairs and describe how the two patterns relate

Finish each table from its rules. Plot each (x, y) pair on the grid and join the points. Then answer the questions.

1. Rule for x: start at 0, add 2.
Rule for y: start at 0, add 4.

x	y
0	0
2	4
4	8
6	12
8	16

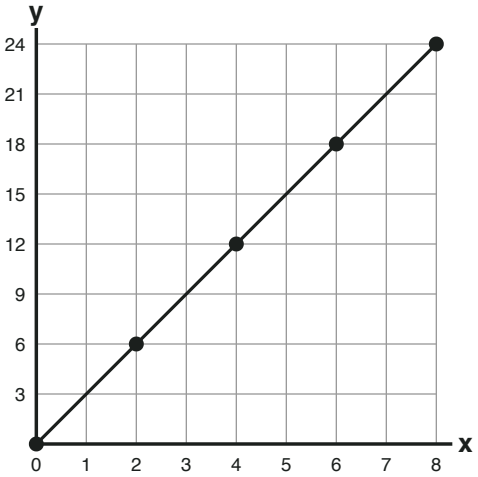


Each y is **2** times its x.

If the patterns go on, what is y when x is 10? **20**

2. Rule for x: start at 0, add 2.
Rule for y: start at 0, add 6.

x	y
0	0
2	6
4	12
6	18
8	24

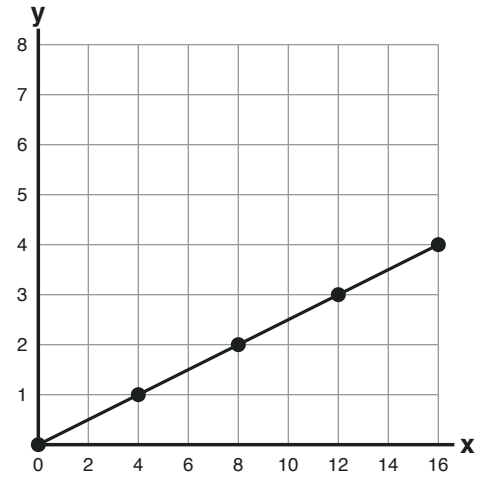


Each y is **3** times its x.

If the patterns go on, what is y when x is 10? **30**

3. Rule for x: start at 0, add 4.
Rule for y: start at 0, add 1.

x	y
0	0
4	1
8	2
12	3
16	4

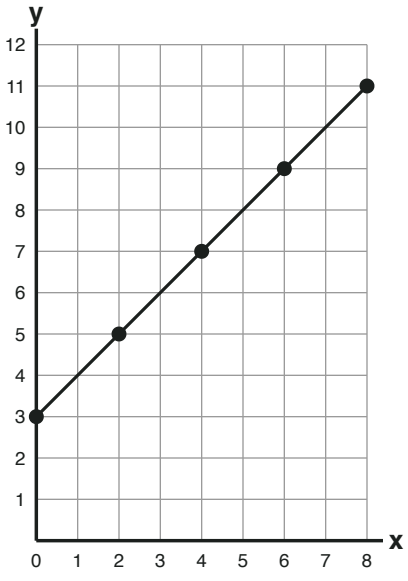


Each x is **4** times its y.

If the patterns go on, what is y when x is 20? **5**

4. Rule for x: start at 0, add 2.
Rule for y: start at 3, add 2.

x	y
0	3
2	5
4	7
6	9
8	11



Each y is **3** more than its x.

If the patterns go on, what is y when x is 10? **13**