

Name _____ Per _____

Equivalent Ratios & Graphs

To graph an equivalent ratio table:

Step #1: Complete each table with equivalent ratios.

Step #2: Write each ordered pair (x, y) in the table

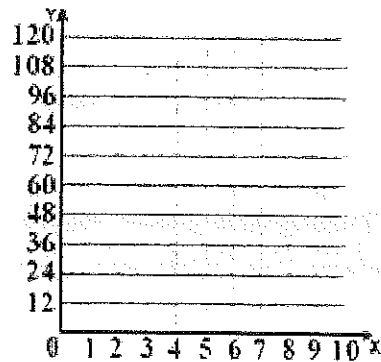
Step #3: Graph the ordered pairs in the grid provided.

Step #4: Connect the points to form a line; place an arrow on the one open side.



Example 1: Nathan collects 12 new coins each year. Use equivalent ratios to graph the growth of his collection over time.

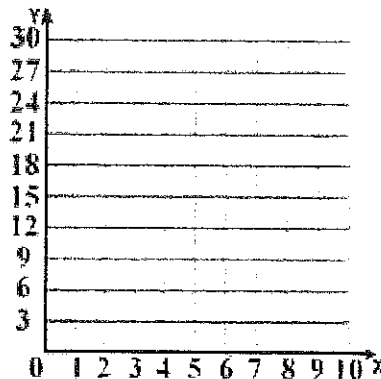
Year	Coins	(x, y)
1	12	
2		
3		
4		
5		



If Nathan continues to collect coins at this constant rate, how many coins we he have after 8 years? _____ After 10 years? _____

2. Sarah walks at a rate of 3 miles per 1 hour. Complete the equivalent ratio table and graph her results:

Hours	Miles	(x, y)
	3	
3		
4		
	18	
	27	

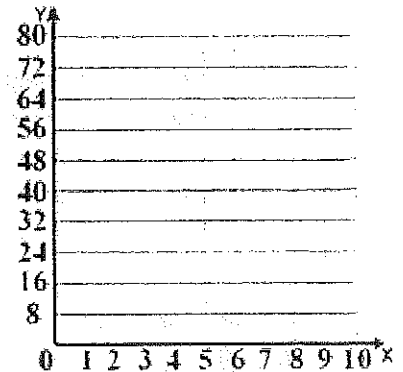


Using the graph, how far will Sarah walk in 2 hours? _____ In 5 hrs? _____

3. Billy and Trinity make bracelets with 8 charms on each one. Complete the equivalent ratio table and graph their results:



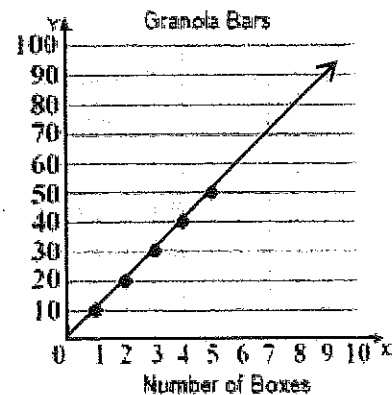
Bracelets	Charms	(x, y)
	8	
2		
4		
	48	
9		



What does the point (8, 64) represent? _____

4. This graph shows the number of granola bars in boxes. Use the graph to complete the table and answer the questions:

Boxes	Granola Bars	(x, y)
1		
	20	
5		
	70	
8		



EXPLAIN the reasoning used to complete the table above: _____
