

Determine if the tables are proportional. If they are find k. If not, explain why.

1.

Time	Cost
1	8
5	40
7	56

 k = _____

2.

Ounces	Cost
10	2
20	4
30	6

 k = _____

3.

Minutes	Miles Ran
8	1
12	1.5
16	2

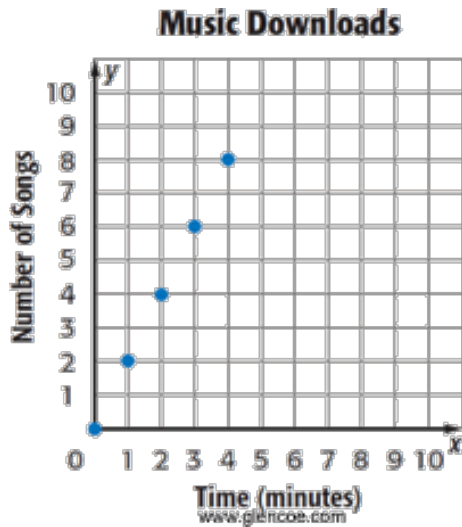
 k = _____

4.

Hours	Number of Customers
1	15
6	72
10	180

 k = _____

Use the graph below to answer questions 5 and 6.



5. What does the point (3, 6) mean on the graph in terms of music downloads?

6. What is k? What does it mean in this context?

Solve the following equations for x.

7. $3(4x + 2) = 12$

8. $\frac{x+5}{2} = -3$

9. $-4x + 5 = -12$

10. $\frac{4x}{5} = \frac{8}{5}$