

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

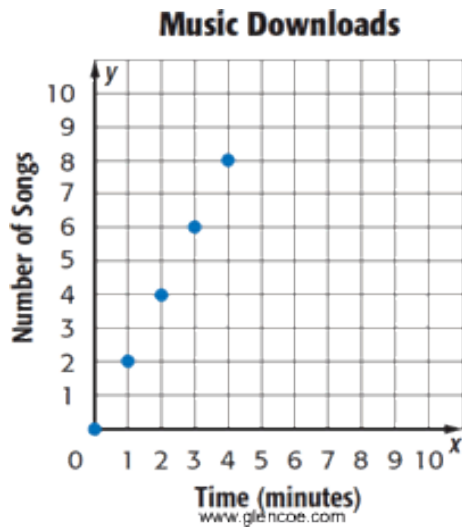
 $k =$ _____

4.

Hours	Number of Customers
1	15
6	72
10	180

 $k =$ _____

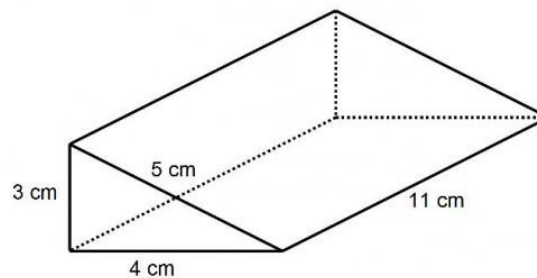
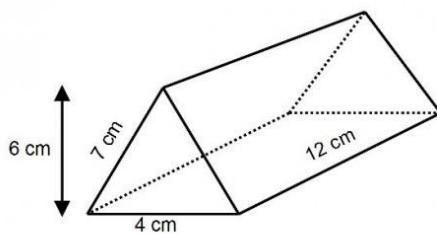
Use the graph below to answer questions 5 and 6.



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?

7. Shade the area of the base and circle the height of the prisms below.



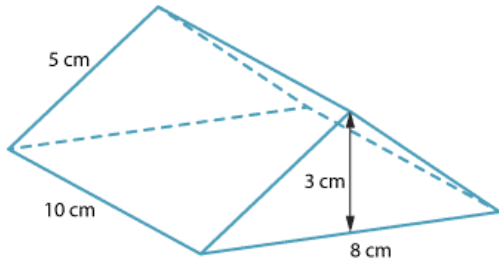
8. Find the surface area.

$$SA = 2B + Ph$$

$$B = \underline{\hspace{2cm}}$$

$$P = \underline{\hspace{2cm}}$$

$$h = \underline{\hspace{2cm}}$$



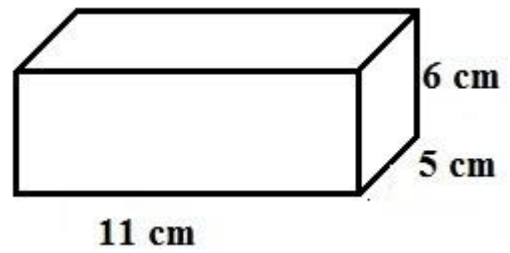
9. Find the surface area.

$$SA = 2B + Ph$$

$$B = \underline{\hspace{2cm}}$$

$$P = \underline{\hspace{2cm}}$$

$$h = \underline{\hspace{2cm}}$$



10. Find the surface area.

$$SA = B + \frac{1}{2} Pl$$

$$B = \underline{\hspace{2cm}}$$

$$P = \underline{\hspace{2cm}}$$

$$l = \underline{\hspace{2cm}}$$

