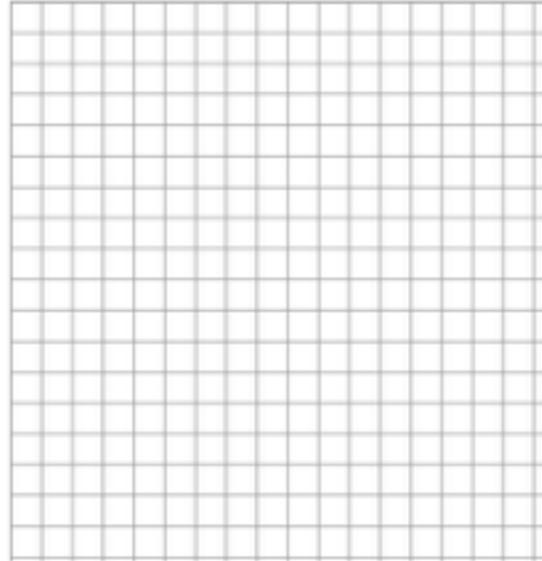


Proportional Relationship Worksheet

1) The cost of 3 tickets to the concert is \$27.

- i) What is the constant of proportionality in cost per ticket?
- ii) Make a table show the total cost, c , of x tickets.
- iii) Write an equation to show the total cost, c , based on purchasing x tickets.
- iv) Graph the equation

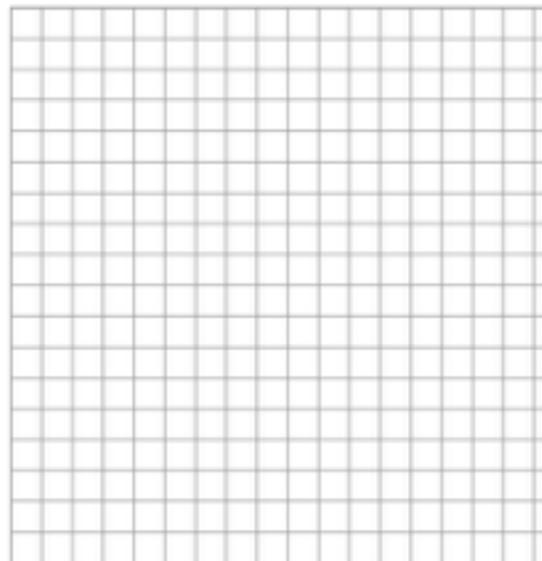
Number of Tickets (x)	Constant of Proportionality (m)	Total Cost (c)
0		
1		
2		
3		
4		
x		



2) Brooke earned \$34 for 4 hours of work.

- i) How much does she earn per hour?
- ii) Make a table showing her total wages, w , for h hours of work.
- iii) Write an equation to showing her total wages, w , for h hours of work.
- iv) Graph the equation

Number of Hours (h)	Constant of Proportionality (m)	Total Wages (w)
0		
1		
2		
3		
4		
h		



Directions: Use a table to help determine each equation.

3) A bucket was placed under a water leak in a ceiling. In half an hour the bucket was $\frac{1}{5}$ of the way full. Write an equation that represents the number of buckets filled, y , in x hours.

4) The job paid \$25 for every 2 hours of work. Write an equation that represents how much the job pays, y , for x hours of work.

5) Besian bought 6 ice cream cakes for \$48 dollars. Write an equation that represents the total cost, y , of x ice cream cakes.

6) A store is selling video games for p dollars per video game. Write an equation that represents the total amount, y , for purchasing x video games.

7) CJ was painting his apartment. In 15 minutes, CJ had used $\frac{1}{3}$ gallon of paint. Write an equation that represents the gallons of paint used, y , in x hours.

8) Dom made Halloween cookies for her awesome homeroom. For every $\frac{2}{3}$ cup of flour, she made 2 dozen cookies. Write an equation that represents the cookies, y , for x cups of flour.
