

2nd Quarterly – SP: NS.1-3, RP.1-3 STUDY GUIDE

Calculator Active

1) It took Mya $\frac{2}{5}$ of an hour to ride her bike $2\frac{1}{2}$ of a mile. How many miles per hour can Mya ride her bike?

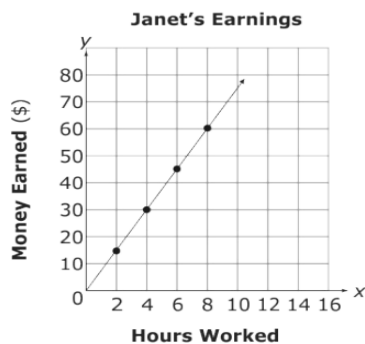
2) To make 7 servings of fruit punch, Danielle used 4 cups of grape juice, 3 cups of water, and $\frac{3}{4}$ of a cup of sugar. How many cups of sugar will she use to make 2 servings of fruit punch?

3) Jackie's salary is proportional to the number of hours she works. Knowing that she made \$56 in 8 hours, create a graph that best models the relationship between the number of hours Jackie works and her salary?

4) Does this table represent a proportional relationship? If yes, what is the constant of proportionality?

x	y
5	15
6	18
7	21

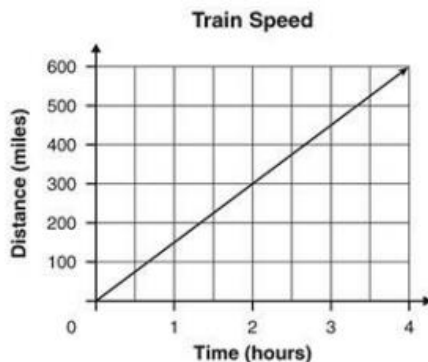
5) The graph below shows the amount of money Janet earned at her new job.



How much does Janet earn per hour?

- A. \$7.50 C. \$10.50
B. \$10.00 D. \$15.00

6) According to this graph, how fast is the train moving in miles per hour?



- A. 150 C. 450
B. 300 D. 600

