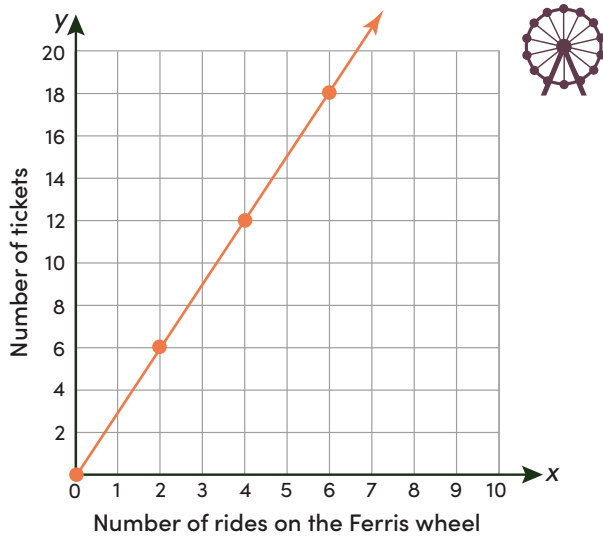


GRAPH PROPORTIONAL RELATIONSHIPS #2

In a proportional relationship, all of the ratios of the two variables are equivalent. You can find the **constant of proportionality**, or the **slope**, of a proportional relationship by finding the ratio of y to x .

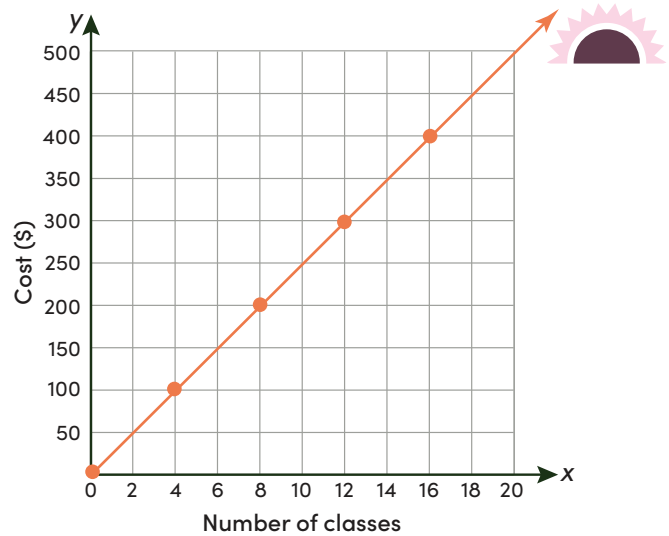
Graph each proportional relationship. Plot at least 3 points that satisfy the relationship and connect them with a line. Then write the slope. Simplify any fractions. **Number of points graphed may vary.**

1. At the carnival, Rosa used 12 tickets to ride the Ferris wheel 4 times. The number of tickets used, y , is proportional to the number of rides on the Ferris wheel, x .



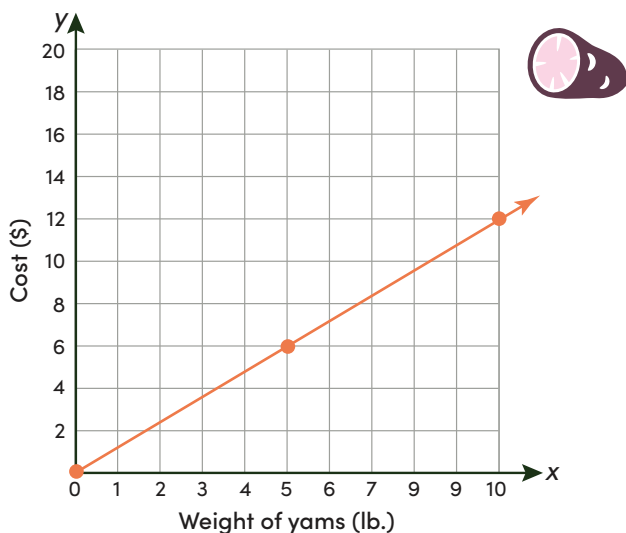
What is the slope? 3

2. Jon paid \$200 for 8 classes at Gold Dawn Yoga Studio. The cost, y , is proportional to the number of classes purchased, x .



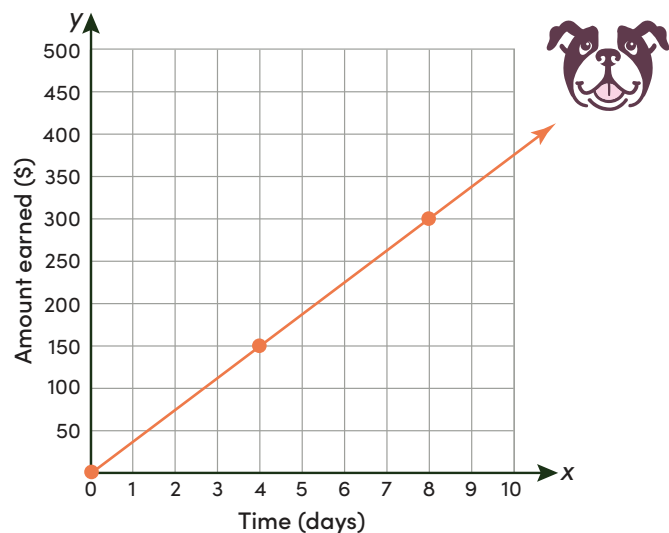
What is the slope? 25

3. Marco wants to make candied yams for the holidays. At the grocery store, he paid \$12 for 10 pounds of yams. The cost, y , is proportional to the weight of the yams, x .



What is the slope? $\frac{6}{5}$ or 1.2

4. Cassie watched her neighbor's bulldog for 8 days. She earned \$300 in all. The amount she earned, y , is proportional to the amount of time she watched the dog, x .



What is the slope? $\frac{75}{2}$ or 37.5