Constant Speed

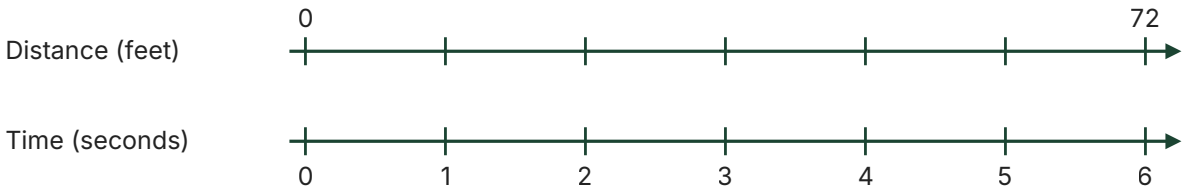
Ratios & Rates

Name: _____ Date: _____ Grade 6

1. A skateboarder traveled 72 feet in 6 seconds at a constant speed.

a What was the speed of the skateboarder in feet per second? _____

b Fill in the missing values on the double number line.

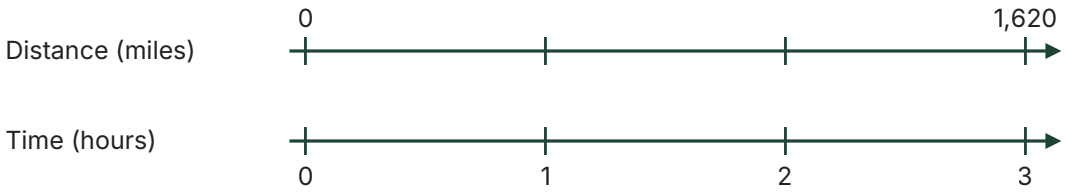


c A scooter traveled 50 feet in 5 seconds at a constant speed. Which traveled faster, the skateboard or the scooter? Explain your thinking.

2. A plane traveled 1,620 miles in 3 hours at a constant speed.

a What was the speed of the plane in miles per hour? _____

b Fill in the missing values on the double number line.



c At this rate, how far could the plane travel in 5 hours? _____

3. A bus traveled 195 miles in 3 hours at a constant speed. What was its speed in miles per hour?

_____

4. Determine the unit rate for each situation.

a A car traveled 330 miles in 6 hours at a constant speed. _____

b A hiker walked 18 miles in 6 hours at a constant speed. _____

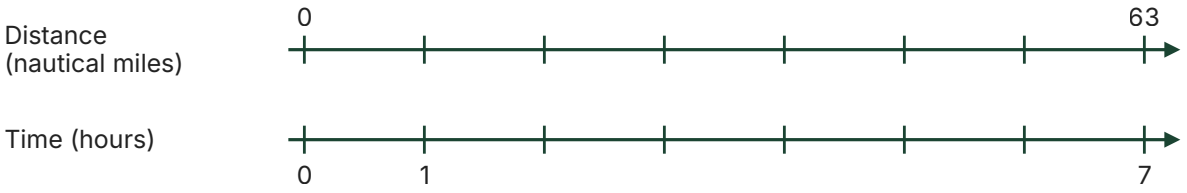
c A runner ran 52.5 meters in 15 seconds at a constant speed. _____

5. A ferry traveled 96 miles in 4 hours at a constant speed.

a How many miles did the ferry travel in one hour? _____

b At this rate, how far could the ferry travel in 7 hours? _____

6. A sailboat traveled 63 nautical miles in 7 hours at a constant speed. How far did it travel in one hour? Use the double number line if it helps.



Answer: _____

7. Two cars travel at constant speeds. Which car is faster? Show or explain your thinking.

	Distance (m)	Time (s)
Car A	600	30
Car B	450	25

8. A helicopter flies 690 miles in 5 hours at a constant speed. Dana claims it flies 145 miles per hour. Is Dana correct? Explain your thinking.