

Name: \_\_\_\_\_

Period: \_\_\_\_\_ Subject: \_\_\_\_\_

Date: \_\_\_\_\_

## Speed and Velocity

**For problems #1-5, write an “S” for “speed” and a “V” for “velocity”.**

1. \_\_\_\_\_ Anella looked at her speedometer and noticed she was going 75 mph.
2. \_\_\_\_\_ Hezekiah’s plane was traveling at a speed of 600 mph 5 degrees north of east as he flew to Chicago.
3. \_\_\_\_\_ The duck flew 50 kilometers per hour in a straight line from New York to Halifax.
4. \_\_\_\_\_ The Canadian policewoman gave Mr. Storple a ticket for traveling 120 kilometers per hour in British Columbia.
5. \_\_\_\_\_ The major league scout clocked the pitcher’s throw at 93 mph.

**In problems #6-10, write “A” for “average speed” and “I” for “instantaneous speed”.**

6. \_\_\_\_\_ Ray and Carl made the 300 mile trip in 4 hours, so they had gone 75 mph.
7. \_\_\_\_\_ Mr. Storple got a second ticket when he returned to Washington for going 84 mph in a 30 mph zone.
8. \_\_\_\_\_ Manuel increased the throttle on his plane until his airspeed indicator gave a reading of 135 mph.
9. \_\_\_\_\_ Lynn and Marinell backpacked 240 km in 6 days for an overall rate of 40 km/day.
10. \_\_\_\_\_ The high school scout clocked the little leaguer’s throw at 97 mph.

**In problems #11-13, solve the problem for the unknown quantity. Be sure to include units!!**

11. How fast is a lizard traveling if it takes 80 seconds to travel 40 meters?
12. If a man runs at a speed of 8 meters per second, how far can he run in 16 seconds?
13. How long will it take to travel 1500 meters if a car is traveling at 50 meters per second?