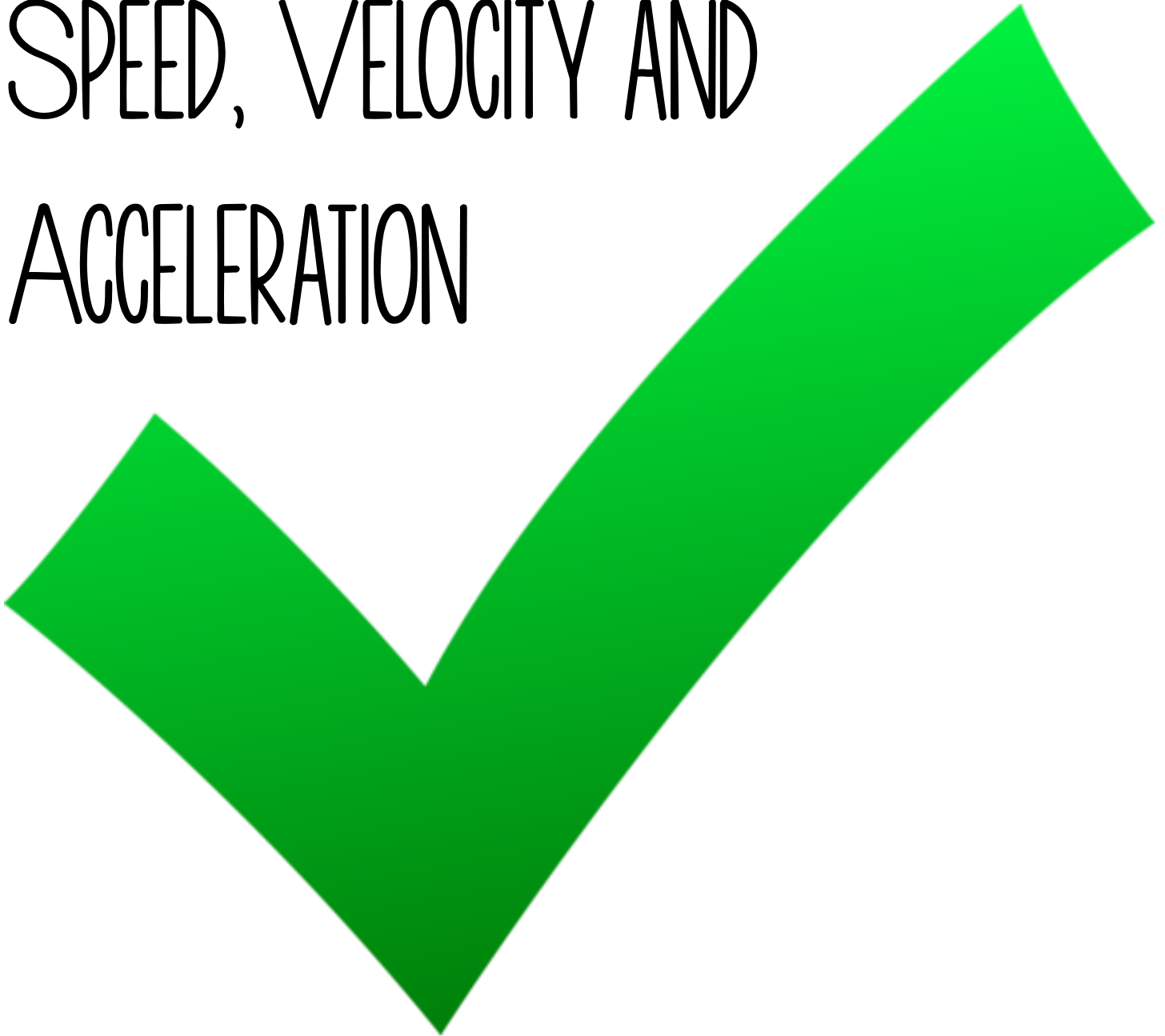


CHECK FOR UNDERSTANDING:
SPEED, VELOCITY AND
ACCELERATION



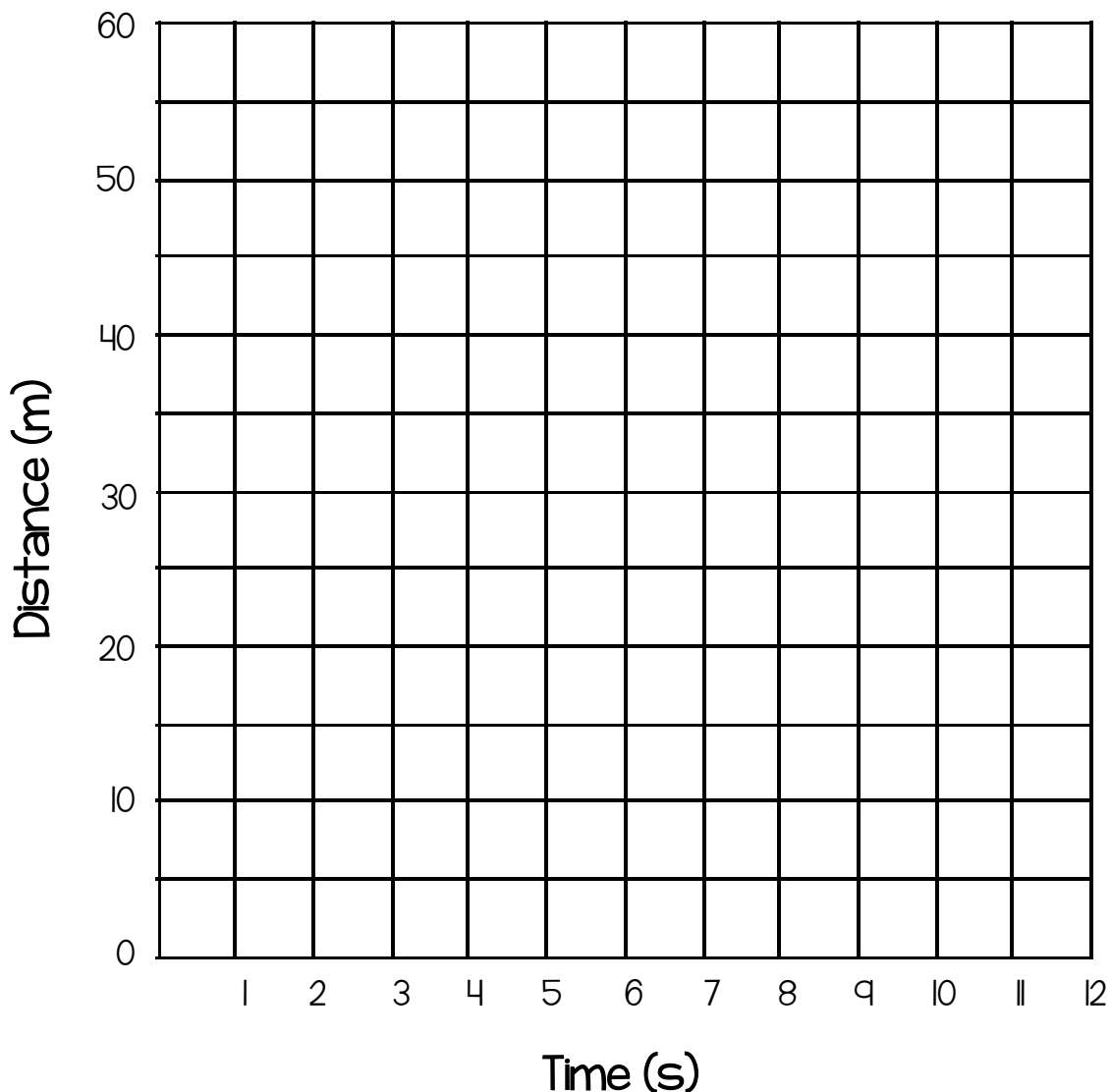
Science Teaching Junkie

Check for Understanding: Speed, Velocity, Acceleration

Directions:

1. Read the following scenario.
2. Illustrate and label the motion occurring in the scenario on a graph.
3. Calculate the average speed.
4. Describe all points of acceleration and explain.

A female cheetah left her cubs to hunt for food. She sprinted 30 m away from her den in two seconds. Next, she turned around and traveled 10 meters back toward her den in three seconds. She suddenly stopped and listened intently for two seconds. Then, she traveled 40 meters away from her den in four seconds.

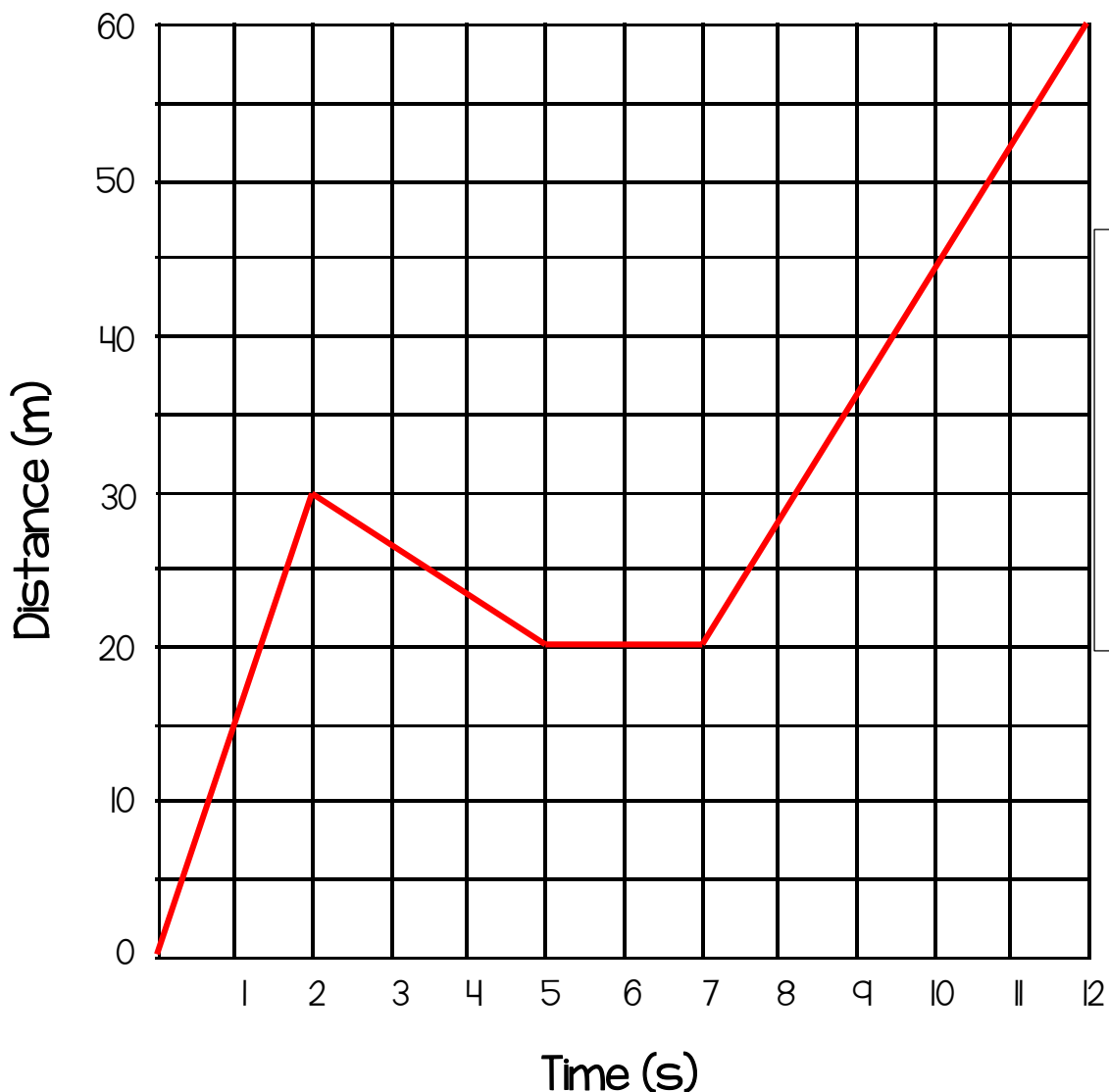


Check for Understanding: Speed, Velocity, Acceleration - KEY

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Average Speed:

Total distance ÷
total time

$60 \text{ m} \div 12 \text{ s} =$

5 m/s