

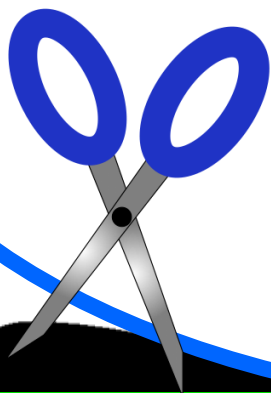
Coffee
STEM
Repeat



Speed Velocity Acceleration

By: Kayla Renee'

AN ENGAGING CUT AND
GLUE WORKSHEET



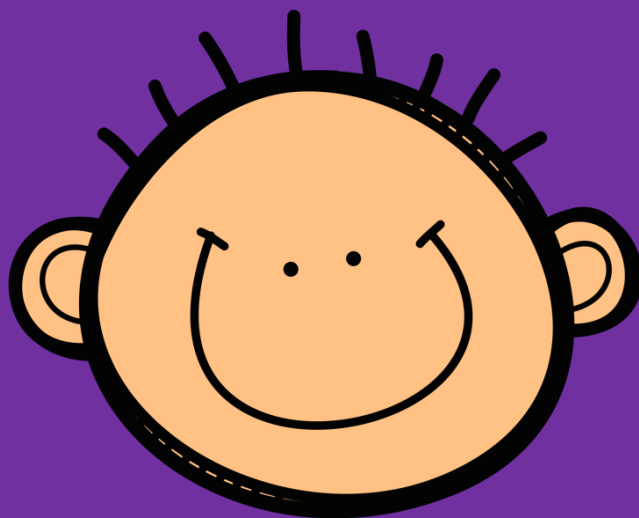
Worksheet titled "Speed, Velocity, and Acceleration" with problems and an "Answer Sheet".

Answer Sheet

53.33	0.82
1.71	5.5
0.45	400
5,000	3
160	2
38.5	4



with this worksheet, you
can make solving
speed, velocity, and
acceleration problems fun!
Students may solve it in
the work box, and then cut
and glue the answer in the
correct box. Students will
know if they made a
mistake right away when
they notice their answer is
not on the answer sheet!
Students of all ages love to
glue!



Name: _____

Date : _____

speed, velocity, and Acceleration

Directions: Solve each problem. Cut out the correct answer from the answer sheet, and glue it to the correct problem. Round to the nearest hundredth if necessary.

1. Calculate the speed of a dog running through a backyard if he is covering 25.6 meters in 57 seconds.

Work

Answer

--

 m/s

2. What is the speed of a sailboat that is traveling 110 meters in 135 seconds?

Work

Answer

--

 m/s

3. Rebecca decided to calculate the speed of a tarantula that she saw at a museum. She found that he traveled 20 centimeters in 5 seconds. What was the average speed of the spider?

Work

Answer

--

 cm/s

4. What is the velocity of a car that traveled a total of 80 km east in 1.5 hours?

Work

Answer

km/hr east

5. What is the velocity of a plane that traveled 1,000 miles from North Carolina to Illinois in 2.5 hours?

Work

Answer

mi/hr
northwest

6. The race car was moving for 2.5 hours, and during this time, it moved 400 miles east. What was the race car's velocity?

Work

Answer

mi/hr east

7. As the roller coaster starts it's downward slope, its speed is 3 m/s. But 4 seconds later, at the bottom of the hill, its speed is 25 m/s. What is it's average acceleration?

Work

Answer

m/s^2

8. Jenny was riding her bike. She accelerates from 0 m/s to 10 m/s in 5 seconds. What is her average acceleration?

Work

Answer

m/s^2

9. An iguana accelerates from 3 m/s to 15 m/s in 7 seconds. What is the iguana's average acceleration?

Work

Answer

m/s^2

10. Cierra went running one evening. She wanted to travel on a quick 30 minute run. If Cierra ran 2,500 meters in that time, what was her average speed in meters per hour?

Work

Answer

m/hr

11. Juanita cycles at an average speed of 7 mph. If she cycles for 5.5 hours, how far does he travel?

Work

Answer

miles

12. Emma drives at an average speed of 45 mph on a journey of 135 miles. How long does Emma's journey take?

Work

Answer

hours

Answer Sheet

53.33

0.82

1.71

5.5

0.45

400

5,000

3

160

2

38.5

4

KEY

1. 0.4 m/s
2. 0.82 m/s
3. 4 cm/s
4. 53.33 km/HR east
5. 400 mi/HR northWest
6. 160 mi/HR east
7. 5.5 m/s²
8. 2 m/s²
9. 1.71 m/s²
10. 5,000 m/HR
11. 38.5 miles
12. 3 HOURS

Thank you for
downloading my speed,
velocity, and
Acceleration cut-and-
Glue Activity!

HOPE YOU ENJOY!

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