

Last Name: _____ First Name: _____ Period: _____ Date: _____

Calculate the Speed

$$\text{Speed} = \frac{\text{Distance}}{\text{Time}}$$

$$\text{Speed} = \frac{d}{t}$$

$$\text{Speed} = \frac{\text{distance}}{\text{time}}$$

$$\text{time} = \frac{\text{distance}}{\text{Speed}}$$

$$\text{distance} = \text{speed} \times \text{time}$$

$$\text{speed} = 100 \text{ km/hr}$$

$$\text{time} = 0.5 \text{ hrs}$$

$$d = 100 \text{ km/hr} \times 0.5 \text{ hr}$$



Example

Instructions: Plug in the numbers inside the boxes and divide to find the answer

Find the Speed (S) ----- **Scalar quantity** (It has **no** direction)

S (Speed) = ?

d (distance) = 40 meters

t (time) = 5 seconds

$$S = \frac{\boxed{d}}{\boxed{t}} = \frac{\boxed{40 \text{ meters}}}{\boxed{5 \text{ seconds}}} = \boxed{8 \text{ meters/second}}$$

Problems

Question 1

Plug in the numbers inside the boxes and divide to find the answer

Evaluate the Speed (S)

S (Speed) =?

d (distance) = 800 miles

t (time) = 5 hours

$$S = \frac{\boxed{d}}{\boxed{t}} = \frac{\boxed{}}{\boxed{}} = \boxed{}$$

Question 2

Plug in the numbers inside the boxes and divide to find the answer

Evaluate the Speed (S)

S (Speed) = ?

d (distance) = 40 kilometers

t (time) = 8 seconds

$$s = \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}} = \boxed{}$$

Question 3

Plug in the numbers inside the boxes and divide to find the answer

Evaluate the Speed (S)

S (Speed) = ?

d (distance) = 450 miles

t (time) = 5 hours

$$S = \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}} = \boxed{}$$

Question 4

Plug in the numbers inside the boxes and divide to find the answer

Evaluate the Speed (S)

S (Speed) = ?

d (distance) = 525 miles

t (time) = 10 hours

$$S = \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}} = \boxed{}$$

Question 5

Plug in the numbers inside the boxes and divide to find the answer

Evaluate the Speed (S)

S (Speed) = ?

d (distance) = 5600 miles

t (time) = 7 hours

$$S = \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}} = \boxed{}$$

Question 6

Plug in the numbers inside the boxes and divide to find the answer

Evaluate the Speed (S)

S (Speed) = ?

d (distance) = 350 meters

t (time) = 3 seconds

$$S = \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}} = \boxed{}$$

Question 7

Plug in the numbers inside the boxes and divide to find the answer

Evaluate the Speed (S)

S (Speed) = ?

d (distance) = 48 meters

t (time) = 8 seconds

$$S = \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}} = \boxed{}$$

Question 8

Plug in the numbers inside the boxes and divide to find the answer

Evaluate the Speed (S)

S (Speed) = ?

d (distance) = 3600 miles

t (time) = 60 seconds

$$S = \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}} = \boxed{}$$

$$s = \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}} = \boxed{}$$