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

Calculate the Speed

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

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

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

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

distance = speed x time

speed = 100km/hr
time = 0.5hrs

d = 100km/hr x 0.5hr

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

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

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

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

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

$$S = \frac{\quad}{\quad} = \frac{\quad}{\quad} = \quad$$

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= ---------- = ---------- =

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= ---------- = ---------- =

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= ---------- = ---------- =

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= ---------- = ---------- =

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

$$S = \frac{\square}{\square} = \frac{\square}{\square} = \square$$

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

$$S = \frac{\square}{\square} = \frac{\square}{\square} = \square$$

Question 9

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

Evaluate the Speed (S)

S (Speed) = ?
d (distance) = 0 miles
t (time) = 10 seconds

S= ---------- = ---------- =

Question 10

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

Evaluate the Speed (S)

S (Speed) = ?
d (distance) = 720 kilometers
t (time) = 90 hours

S= ---------- = ---------- =