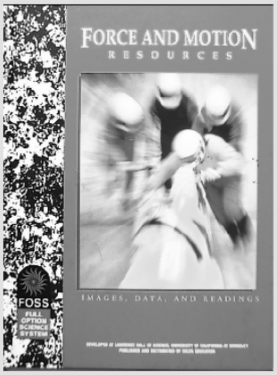


Quietly read p. 3-5

(question 2 and 3 optional!)

Answer the *Think Questions* in your journal

Figure 1

d. What is the equation for calculating distance when you know the speed and time? $d = S \cdot t$

RNiNG
RGETS

I can use an equation to calculate the speed of a moving object.

Terms, Definitions and Symbols

Figure 1

Speed (S)
The distance an object travels in a unit of time

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

Time interval:
How long it takes for something to happen

d=s.t

distance = speed x time

RNiNG
RGETS

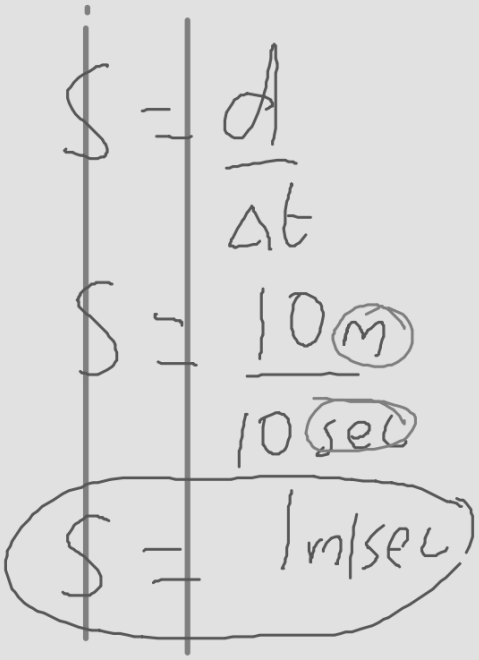
I can use an equation to calculate the speed of a moving object.

Figure 1

Write this correct format in your journals.

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

1) Write equation
2) Substitute with units
3) Solve
4) Box answer with units



I can use an equation to calculate the speed of a moving object.

A flight from Seattle airport to San Jose airport takes 2 hours. The airplane will fly 709 miles. What is the average speed in m/h?

1) Write equation
2) Substitute with units
3) Solve
4) Box answer with units

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

$S = \frac{709\text{mi}}{2\text{hrs}}$

$S = 354.5\text{mi/hour}$

LEARNING TARGETS

I can use an equation to calculate the speed of a moving object.

A flight from Seattle airport to San Jose airport takes 2 hours. The airplane will fly 709 miles. What is the average speed in mph?

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

$$S = \frac{709 miles}{2h}$$

$$S = 354.5 \text{ m/h}$$

I can use an equation to calculate the speed of a moving object.

Figure 1

Mrs Frearson went skiing to the Summit at Snoqualmie.

It is a distance of 22 miles and it took her 2hrs

How fast did I travel?

1) Write equation
2) Substitute with units
3) Solve
4) Box answer with units

RNiNG
GETS

I can use an equation to calculate the speed of a moving object.


Figure 1

Use the correct format to answer these simple speed problems

1. A student walked 1200m in 6 mins. How fast did the student walk?

2. A snail traveled 55mm every 5 seconds. How slow is the snail?

3. An airplane can fly 2000km in 4 hours. What is the speed of the airplane's flight?

WORD BANK

time distance speed together first last faster slower

1. When two vehicles start together and travel the same distance in the same amount of time, they arrive at the final position _____.

2. If two vehicles go different distances in the same amount of time, the one that goes farther is _____.

3. If you only know the starting position and ending positions for two vehicles it is impossible to tell who finished first. You also need the vehicles' _____ or _____.

RNiNG
GETS

I can use an equation to calculate the speed of a moving object.

Figure 1

Mechanical Monsters.

Distance. m

Trial (Seconds)	(Blue) law Dawgs	orange. Ghost Mountain rides
1		
2		
3		
avg Δt		