Question #1

What is the equation used to solve for speed?

Answer #1

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

Question #2

What is the equation used to solve for distance?

Answer #2

Distance = Speed X Time

Question #3

What is the equation used to solve for time?

Answer #3

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

Question #4

What is an indicator that gas is produced during a chemical reaction?

Answer #4

Bubbles

Question #5

What is the equation used to find average speed?

Answer #5

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

Question #6

If there is a change in temperature due to 2 substances being combined, a ___ has taken place.

Answer #6

Chemical Reaction

Question #7

What does City Girls Love Their Phones On stand for?

Answer #7

Evidence of a chemical reaction

City = Color Change

Girls = Gas Produced (bubbles)

Love = Light

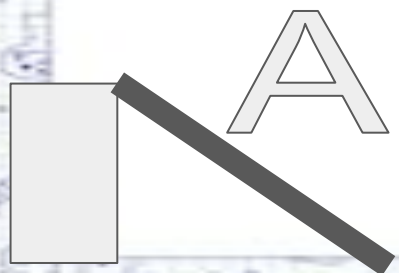
Their = Temperature Change

Phones = Precipitate Forms (Solid)

On = Oder Produced

Question #8

Which ramp will require less force to move an object up it?

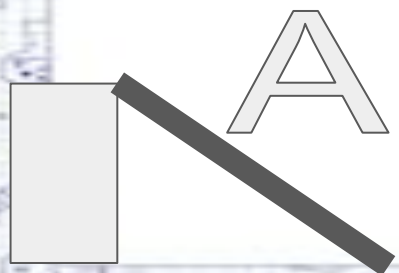


Answer # 8

Ramp B because it is longer and has a gentle slope, less steep

Question #9

Which ramp will require more force to move an object up it?



Answer # 9

Ramp A because it is shorter and has a steep slope

Question #10

To decrease the amount of force used, you're inclined plane needs to be _____.

Answer #10

Longer,
have a gentle slope

Question #11

To increase the amount of force used, you're inclined plane needs to be _____.

Answer #11

Shorter,
have a steeper slope

Question #12

If 1 liquid is dissolved into another liquid,is this a sign of a chemical reaction?

Answer #12

NO

It is a physical reaction.

Question #13

Find the Net Force

Answer #13

$$\begin{array}{r} 50\ \text{N} \\ -\ \underline{50\ \text{N}} \\ 0\ \text{N} \end{array}$$

Net Force = 0 N

Question #14

Find the Net Force

Answer #14

$$100\ N$$
$$-\ \underline{50\ N}$$
$$50\ N$$

Net Force = 50 N to the Right / East

Question #15

Which way will the rope move?

Answer #15

400N

- 300 N

100 N

Net Force = 50 N to the left / West

Movement = Unbalanced Force

Question #16

Which way will the rope move?

Answer #16

$$300\text{N}$$
$$-\ \underline{300\ \text{N}}$$
$$0\ \text{N}$$

Net Force = 0 N No Movement

No Movement = Balanced Force

Question #17

If the two forces are pulling in the same direction what do you do to find the net force?

Answer # 17

Add the two Forces in the same direction together = Net force

Same Direction = Add

Question #18

If the two forces are pulling in opposite directions what do you do to find the net force?

Answer # 18

Subtract the two Forces going in opposite directions

Opposite Direction = Subtract

Question #19

Students conduct a laboratory investigation by rolling a toy car across a 2-meter table top. The student conducts 3 trials and records data in the table.

Trial	Distance (m)	Time (s)
1	2	9
2	2	13
3	2	11

What is the average speed of the toy car?

Answer #19

Total Distance = 2+2+2= 6 m

Total Time = 9+13+11= 33 sec

Average Speed = Total distance / Total Time

?= 6m / 33 sec

Average Speed is 1.18 m/sec.

Question #20

A rabbit ran 20 km between 2 fields. He started his run at 1:00 and finished at 3:00. What was the average speed the rabbit ran at?

Answer #20

10 km/hr

Question #21

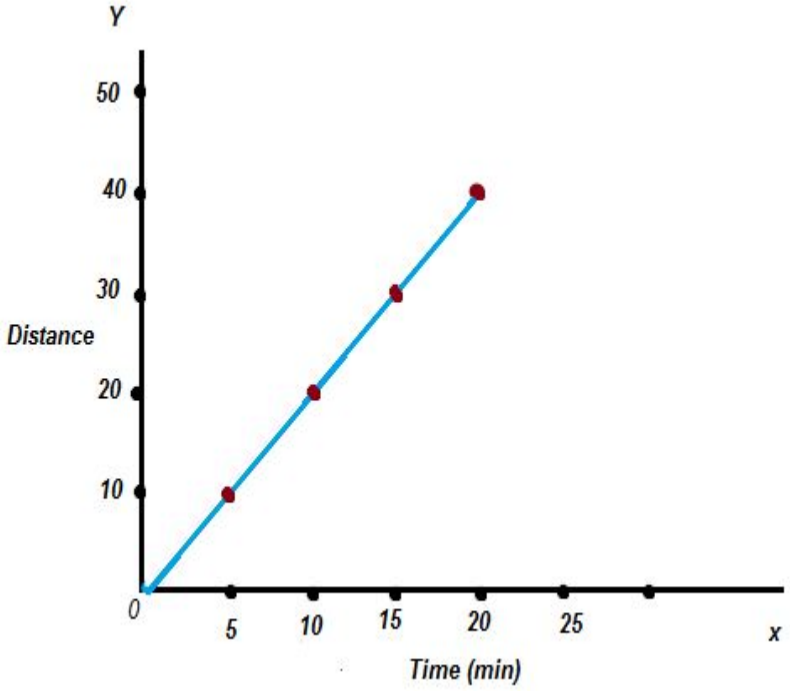
The race horse track was 10 km long and it took the winning horse ¼ of an hour to complete it. How fast was the horse going?

Answer #21

40 km/hr

10 / .25 = 40

Question #22

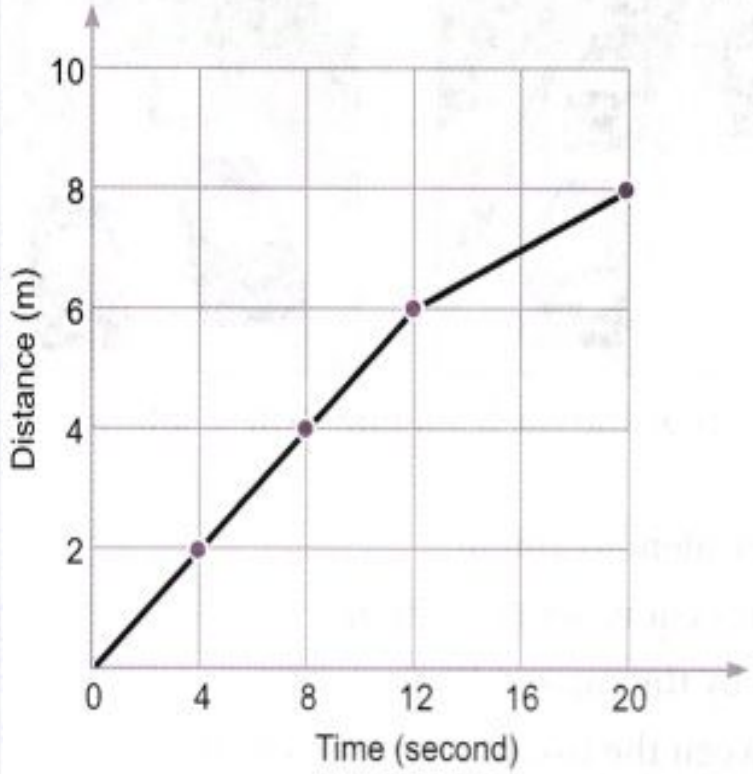


Based on the chart below, what is the average speed of the runner?

Answer 22

40 meters / 20 mins = 2 m/min

Question #23



What was the average speed of the car during the first 12 seconds of it's trip?

Answer #23

Distance = 6m

Time = 12 sec

6/12 = .5 m/sec

Question #24

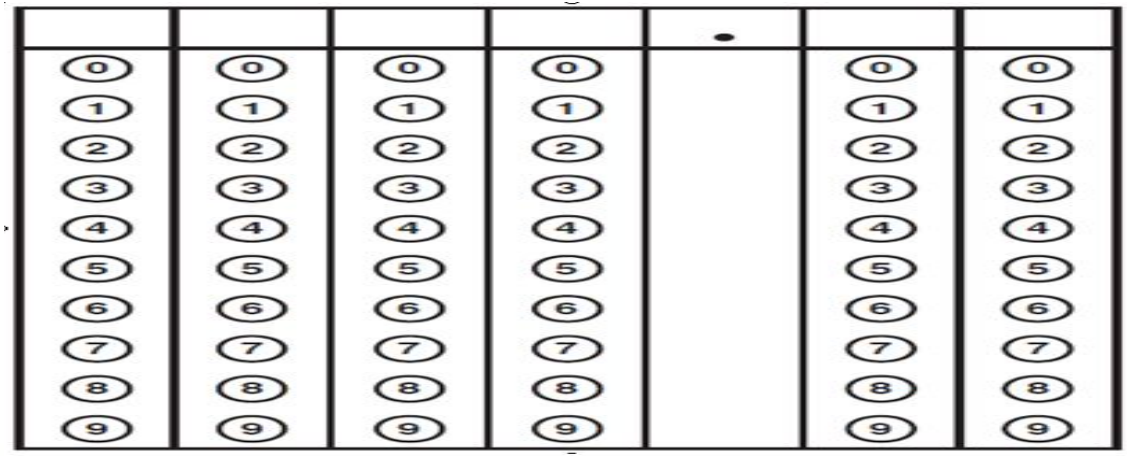
As a result of the change in forces from time A to Time B, the car will...

Answer #24

It will move faster when going forward.

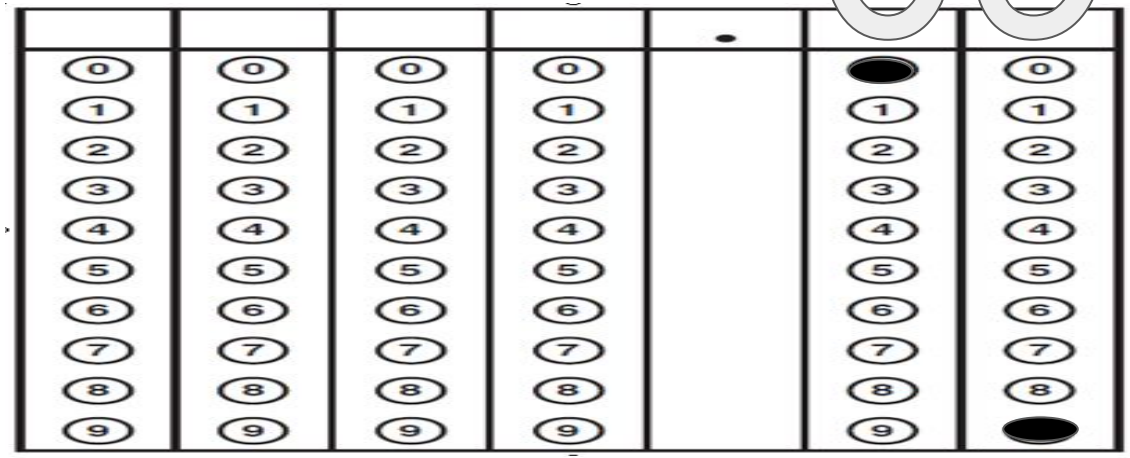
Question #25

How would I enter .09 on a griddable as seen below.



Answer #25

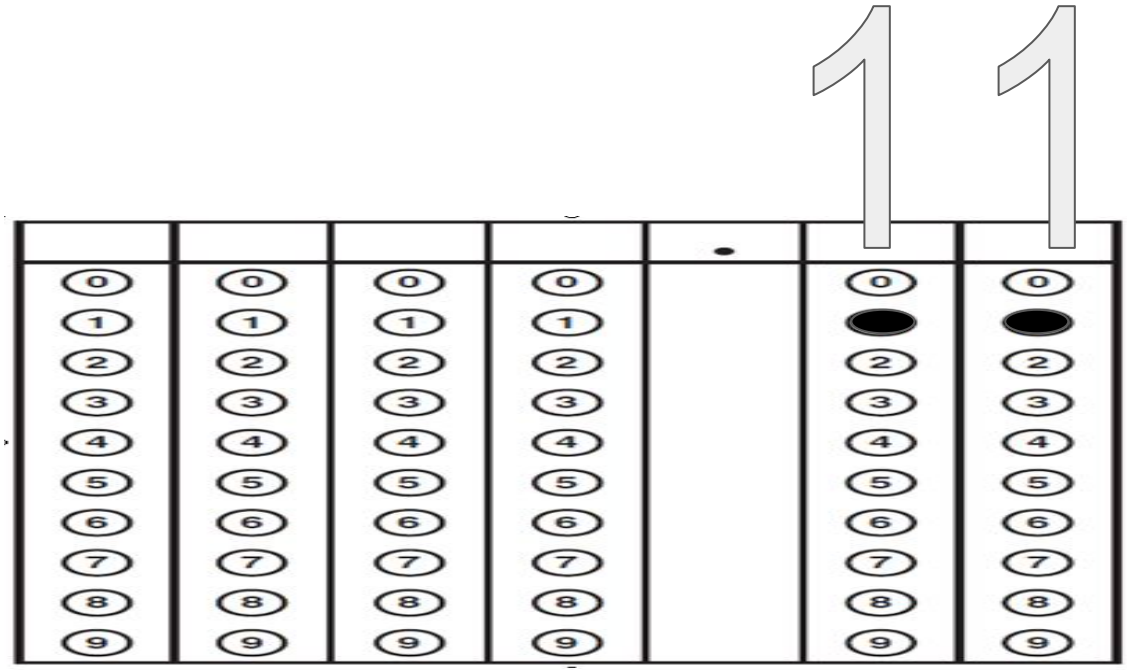
09


0 0 0 0 0 1 2 3 4 5 6 7 8 9
0 1 2 3 4 5 6 7 8 9
0 1 2 3 4 5 6 7 8 9
0 1 2 3 4 5 6 7 8 9
0 1 2 3 4 5 6 7 8 9
0 1 2 3 4 5 6 7 8 9

Question #26

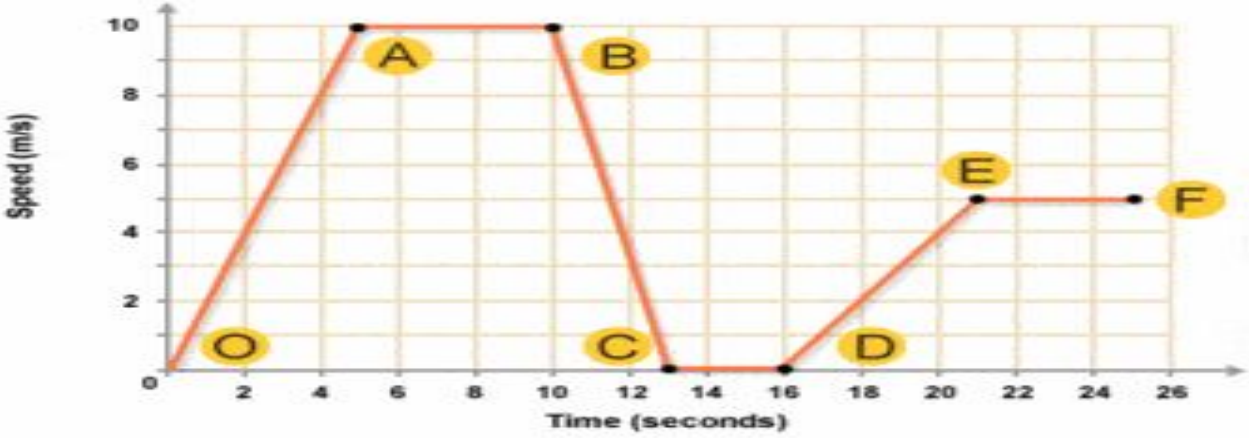
How would I enter .11 on a griddable as seen below.

Answer # 26



Question #27

What is happening from point A to point B?



Answer #27

Not Moving

Stationary

Question #28

Which of the following is NOT a correct unit for speed?

Miles

km/min

cm/s

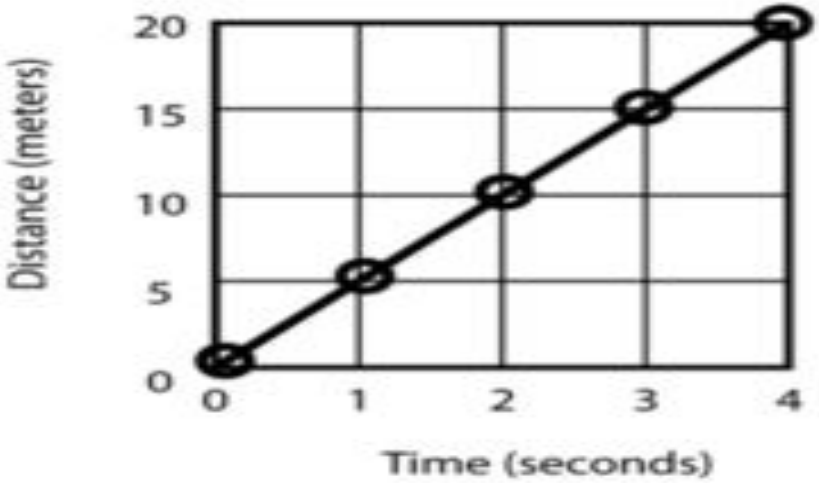
Answer #28

Miles

Miles is Distance

Question #29

What is the speed of this object at 3 seconds?

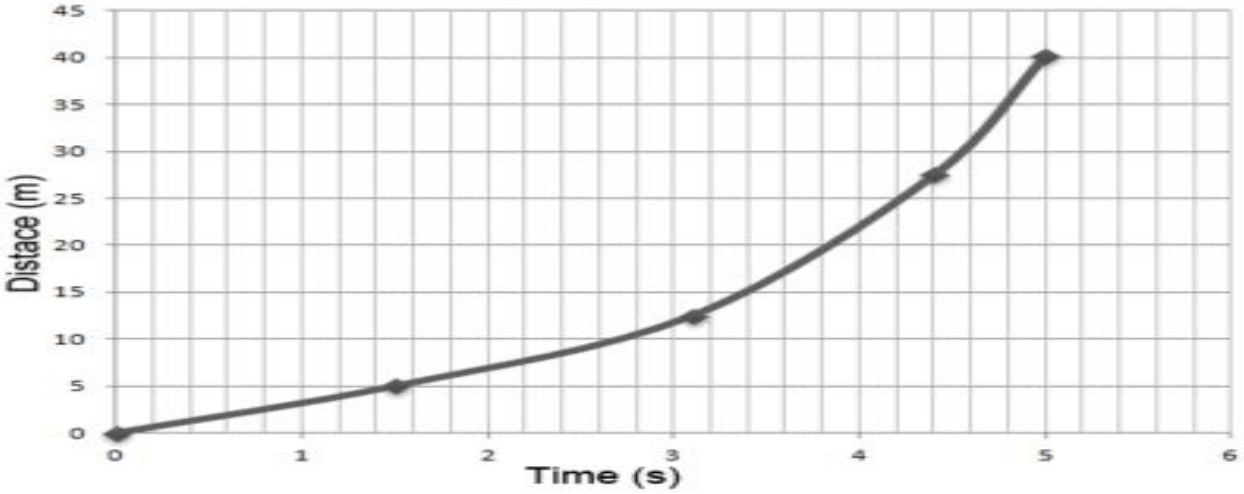


Answer #29

5 m/sec

Question #30

What is the average speed of this object?



Answer #30

Distance = 40

Time = 5

40/5 = 8m/s

Average Speed = 8 m/s

2nd 6 Weeks District Test Review

How to Play Flashcard Race...

1. Shuffle the deck of cards
2. Put the deck so that the words/pictures are face up in the middle of the table as one pile.
3. The person whose name comes first in the alphabet goes first, play then continues to the right.
4. The first person pulls the first card off the deck and only shows the picture/word side of the card to the next person on the right
5. The person on the right tries to state the definition on the card. If they guess correct they get to keep the card, If they guess wrong the person holding the card reads the correct definition aloud and then the card goes back to the bottom of the deck. (It does NOT have to be word for word)
6. Once turn is over the person who just guessed does step 3-4 for the next player.
7. The Person with the most cards once no more cards are in the pile wins the game.

Typed By: K. Pease
2019 - 2020 School Year

TEKS Covered…

6.5C evidence of a chemical reaction

6.8 B balanced / unbalanced force

6.8 C Calculating Speed

6.8 E Inclined Planes

Por traductor de Google

1. Baraja el mazo de cartas

2. Coloque la baraja de modo que las palabras / imágenes estén boca arriba en el centro de la mesa como una pila.

3. La persona cuyo nombre aparece primero en el alfabeto va primero, juega y luego continúa a la derecha.

4. La primera persona saca la primera carta del mazo y solo muestra el lado de la imagen / palabra de la carta a la siguiente persona a la derecha

5. La persona a la derecha intenta establecer la definición en la tarjeta. Si adivinan lo correcto, pueden quedarse con la tarjeta. Si adivinan mal, la persona que sostiene la tarjeta lee la definición correcta en voz alta y luego la tarjeta vuelve al fondo del mazo. (NO tiene que ser palabra por palabra)

6. Una vez finalizado el turno, la persona que acaba de adivinar realiza los pasos 3-4 para el siguiente jugador.

7. La persona con más cartas una vez que no haya más cartas en la pila gana el juego.