QUIZIZZ Worksheets

Name

Class

Date

Speed Graphs

Total questions: 22

Worksheet time: 15mins

1. What is the correct formula for speed?

   a) Speed = Direction / Time

   b) Speed = Distance / Time

   c) Speed = Time / Distance

   d) Speed = Time / Direction

2. Which is a correct unit for distance?

   a) kilograms

   b) meter

   c) liters

   d) seconds

3. Which is a correct unit for time?

   a) Celsius

   b) second

   c) Meter

   d) Miles per hour

4. Which is a correct unit for speed?

   a) miles per gallon

   b) seconds per meter

   c) second per meter

   d) grams per cubic centimeter

5. In a Time - Distance graph, which variable is the independent variable?

   a) Speed

   b) Time

   c) Distance

   d) Graph

6. In a Time - Distance Graph, which variable is the dependent variable?

   a) Speed

   b) Time

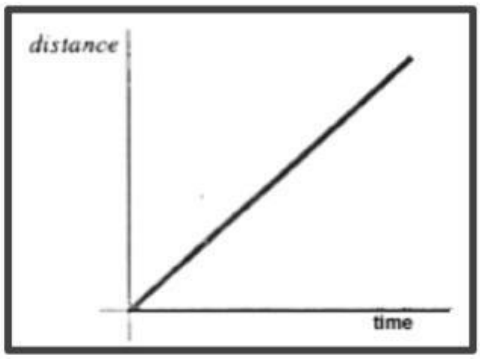
   c) Distance

7. In a Time - Distance Graph, which variable is on the x-axis?

a) Speed
b) Time
c) Distance

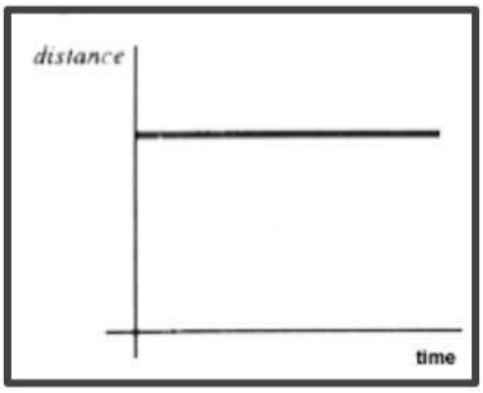
8. In a Time - Distance Graph, which variable is on the y-axis?

a) Speed
b) Time
c) Distance

9. 

What is a reasonable story for this graph?

a) The airplane is stopped at the gate
b) The boat is moving at a constant speed
c) A student missed the bus so goes back home
d) A car slows down to avoid an accident

10. 

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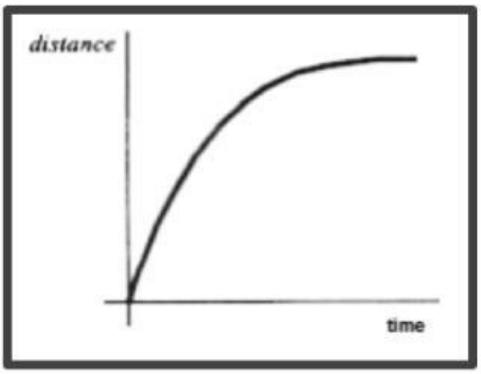
11. 

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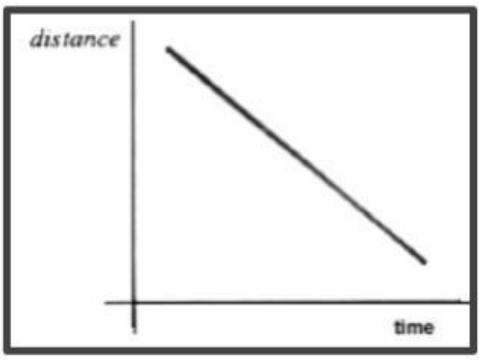
12. 

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13. Speed is equal to

a) Distance/Time
b) Time/Distance
c) Time x Distance
d) Acceleration

14. If you travel 10 miles in 5 minutes, what is your speed?

a) 10 mi/min
b) 15 mi/min
c) 50 mi/min
d) 2 mi/min

15. What equation do I use to calculate time?

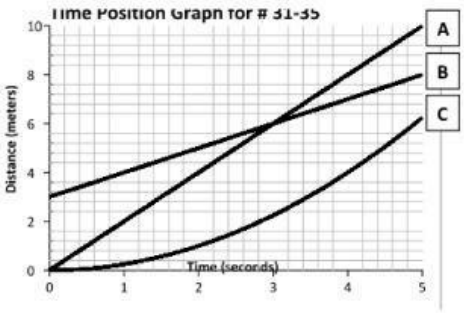
a) S = D/T
b) T = D/S
c) D=TS

16. What equation do I use to calculate speed?

a) S = D/T

b) T = D/S

c) D=TS

17. 

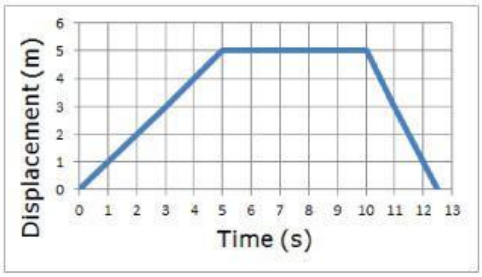
Which runner won the race?

a) A

b) B

c) C

d) It was a tie

18. 

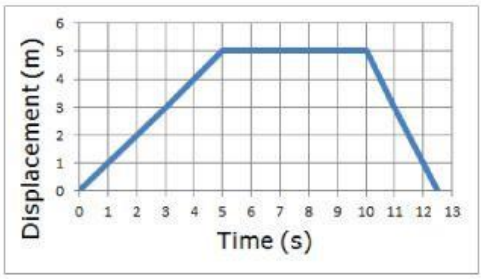
According to the graph how far does the person travel in the first 5 seconds?

a) 2 m

b) 10 m

c) 0 m

d) 5 m

19. 

What is the person doing from 5 seconds to 10 seconds?

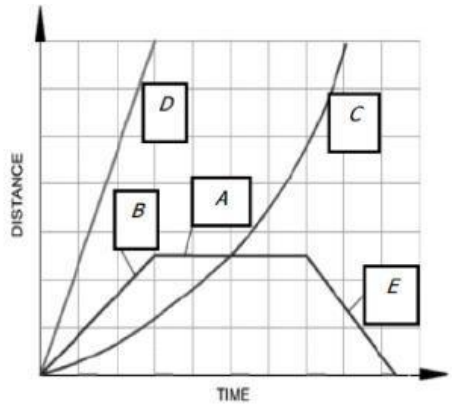
a) Walking

b) Running

c) Standing Still

d) Walking Fast

20.



What is happening at A?

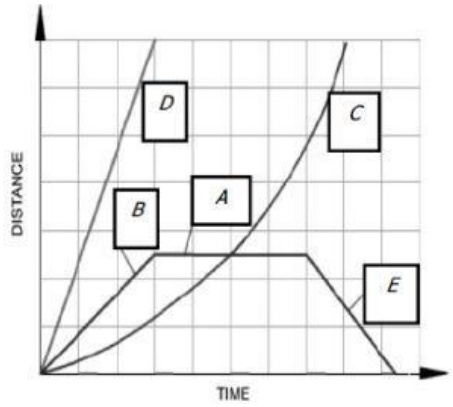
a) Stationary

b) Accelerating

c) Slower steady speed; moving away from the starting position

d) Steady speed; returning to start position

21.



What is happening at E?

a) Stationary

b) Accelerating

c) Fast steady speed; moving away from the starting position

d) Steady speed; returning to start position

22.

Calculate these 3 car's speeds, then rank them in order of fastest to slowest, with 3 being the fastest car and 1 the slowest car.

Car A- distance: 4 meters, time: 2 sec

Car B- distance: 2 meters, time: 2 sec

Car C- distance: 8 meters, time: 2 sec

a) Car A= 1
Car B= 2
Car C = 3

b) Car A = 2
Car B= 1
Car C= 3

c) Car A= 3
Car B= 1
Car C = 2

d) Car A = 3
Car B= 2
Car C= 1