Q1

Nick ran the same number of laps around the school track today as he ran yesterday.

It took him less time to run the laps today than yesterday,

Which statement below best describes Nick's running speed?

  a) Nick ran faster today.

  b) Nick ran slower today.

  c) Nick ran the same speed today and yesterday.

  d) There is not enough information to compare today's speed with yesterday's speed.

Explain your choice.

Q2

Nick ran the same number of laps around the school track today as he ran yesterday.

It took him more time to run the laps today than yesterday.

Which statement below best describes Nick's running speed?

    a) Nick ran faster today.

    b) Nick ran slower today.

    c) Nick ran the same speed today and yesterday.

    d) There is not enough information to compare today's speed with yesterday's speed.

Explain your choice.

Q3

Nick ran around the school track the same number of minutes today as he ran yesterday.

He ran a longer distance today than he did yesterday.

Which statement below best describes Nick's running speed?

a) Nick ran faster today.

b) Nick ran slower today.

c) Nick ran the same speed today and yesterday.

d) There is not enough information to compare today's speed with yesterday's speed.

Explain your choice.

Q4

Nick ran around the school track the same number of minutes today as he ran yesterday.

He ran a shorter distance today than he did yesterday.

Which statement below best describes Nick's running speed?

   a) Nick ran faster today.

   b) Nick ran slower today.

   c) Nick ran the same speed today and yesterday.

   d) There is not enough information to compare today's speed with yesterday's speed.

Explain your choice.

Q5

Nick ran twice as many laps around the school track today as he ran yesterday.

It took Nick twice as much time to run today's laps.

Which statement below best describes Nick's running speed?

    a) Nick ran faster today.

    b) Nick ran slower today.

    c) Nick ran the same speed today and yesterday.

    d) There is not enough information to compare today's speed with yesterday's speed.

Explain your choice.

Q6

Nick ran twice as many laps around the school track today as he ran yesterday.

It took Nick three times as much time to complete today's laps.

Which statement below best describes Nick's running speed?

    a) Nick ran faster today.

    b) Nick ran slower today.

    c) Nick ran the same speed today and yesterday.

    d) There is not enough information to compare today's speed with yesterday's speed.

Explain your choice.

Q7

Nick ran three times as many laps around the school track today as he ran yesterday.

It took Nick twice as much time to run today's laps.

Which statement below best describes Nick's running speed?

    a) Nick ran faster today.

    b) Nick ran slower today.

    c) Nick ran the same speed today and yesterday.

    d) There is not enough information to compare today's speed with yesterday's speed.

Explain your choice.

Q8

Joanne and Maria traveled to school today on their bicycles.

Maria traveled twice as far as Joanne and traveled at twice the speed of Joanne.

Who took the most time to get to school, Joanne or Maria?

Explain your answer.

Q9

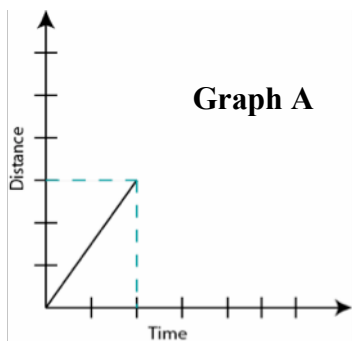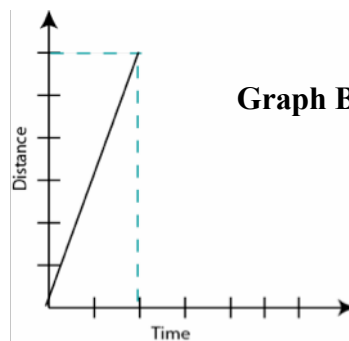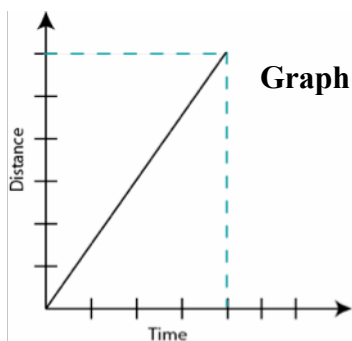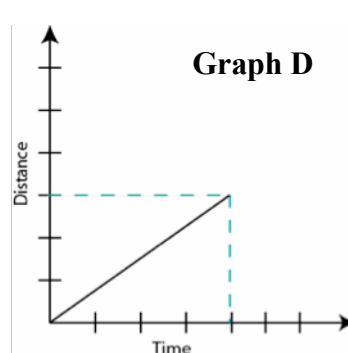Joanne and Maria traveled to school today on their bicycles.

This graph describes Joanne's speed.
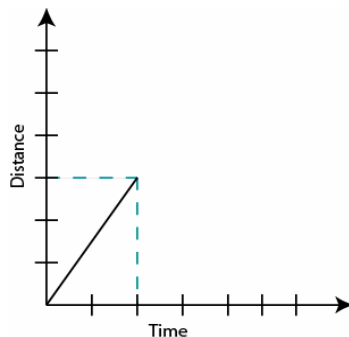
Maria traveled twice as far as Joanne and traveled at twice the speed of Joanne.

Which graph describes Maria's speed? All the graphs below have the same scale as Joanne's graph above.

 Explain your choice.

Graph A

Graph B

Graph C

Graph D

Q10

Joanne and Maria traveled to school today on their bicycles.

Maria traveled twice as far as Joanne. Both arrived at school at the same time.

Which statement below best describes the amount of time it took Maria and Joanne to travel to school?

      a) Maria took more time to travel to school.

      b) Maria took less time to travel to school.

      c) Both girls took the same amount of time to travel to school.

      d) There is not enough information to answer the question

Explain your choice.

Q11

Joanne and Maria traveled to school today on their bicycles.

Maria traveled twice as far as Joanne.

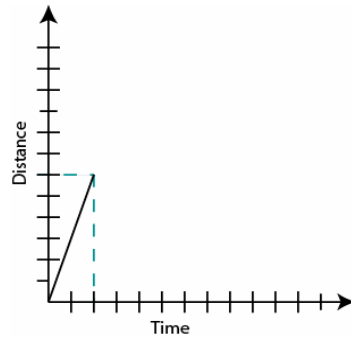It took Maria 3 times longer to travel to school than Joanne.

Who traveled faster?

a) Maria

b) Joanne

c) Maria and Joanne traveled at the same speed.

d) There is not enough information to answer the question.
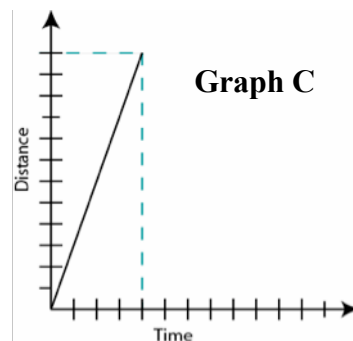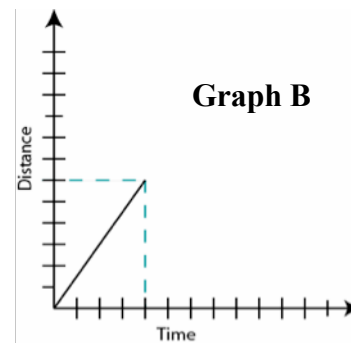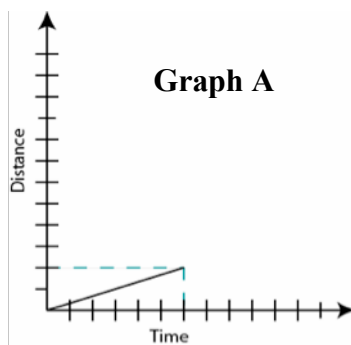
Explain your choice.

Q12

This graph shows the distance traveled by a person moving at a constant speed.

Which graph below shows a person traveling at the same speed for a different amount of time? All four graphs have the same scale.

Explain your choice.

Graph A

Graph B

Graph C

Q13

Sherwood Forest and Tucker Forest are the same size.

Tucker Forest has fewer trees than Sherwood Forest.

Which forest has more trees per acre?

Explain your answer.

Q14

Tucker Forest is larger than Sherwood Forest.

Tucker Forest has fewer trees than Sherwood Forest.

Which forest has more trees per acre?

Explain your answer.

Q15

Tucker Forest and Sherwood Forest have the same number of trees.

Tucker Forest has a smaller area than Sherwood Forest.

Which forest has more trees per acre?

Explain your answer.

Q16

Sherwood Forest is twice as large as Tucker Forest.

Sherwood Forest has twice as many trees as Tucker Forest.

Which forest has more trees per acre?

Explain your thinking.