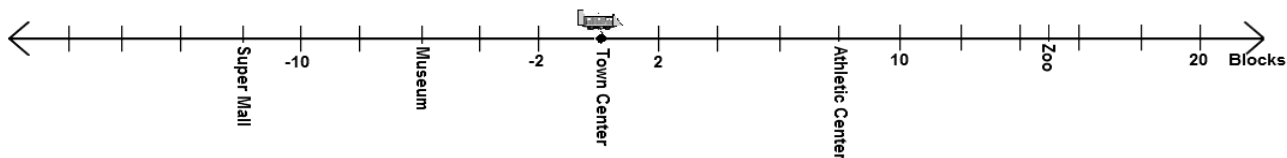


Name: _____ Class: _____ Date: _____

Multiplying Using the Number Line Model

Task: In the city of Mathematica, there is a town center, which attracts many visitors to the city. From the town center, a train takes visitors to different popular locations. The map shows a few favorite destinations that people like to visit. Answer the following problems about traveling around the city.



1. The train leaves Town Center traveling east at the speed of 2 blocks per minute. How many blocks will you be in 4 minutes? Where will you be in 4 minutes?

a. Time in the past or future:

c. Show your work using the Distance Formula:

$$d = r(t)$$

b. Write a Number Sentence:

d. Answer in complete sentences

2. The train leaves the Town Center going west at 2 blocks per minute. What popular location will you arrive at in 6 minutes? How many blocks away from the Town Center will you be?

a. Time in the past or future:

c. Show your work using the Distance Formula:

$$d = r(t)$$

b. Write a Number Sentence:

d. Answer in complete sentences

Name: _____ Class: _____ Date: _____

3. The train passes through the Town Center going east at 2 blocks per minute. Where was that train 3 minutes ago?

a. Time in the past or future:

c. Show your work using the Distance Formula:
 $d = r(t)$

b. Write a Number Sentence:

d. Answer in complete sentences

4. You would like to take the train to the Zoo from the Town Center. How many minutes will this take if the train travels 2 blocks per minute? Write a math sentence to represent this scenario.

a. Time in the past or future:

c. Show your work using the Distance Formula:
 $d = r(t)$

b. Write a Number Sentence:

d. Answer in complete sentences

5. You waited 4 minutes for the train to arrive. The train was traveling west at 2 blocks per minute. Where was the train?

a. Time in the past or future:

c. Show your work using the Distance Formula:
 $d = r(t)$

b. Write a Number Sentence:

d. Answer in complete sentences
