

PS 89 Dr Lydia T Wright School Of Excellence

MATH GRADE 7: MAE7G 1 MATH GRADE 7

TAKE A QUIZ 3

Instructor: ALFRED KANYURU

Name: _____

Score: / 100

Question 1

/1

On average, Shawnte drinks $\frac{1}{2}$ of a 6-ounce glass of water in $\frac{2}{3}$ hour. How much water does she drink in an hour?

- 0.75 ounce
- 2 ounces
- 4.5 ounces
- 9 ounces

Question 2

/1

From 12:00 midnight to 6:00 a.m., the temperature decreased by 12°C . If the original temperature was 12°C , which expression can be used to represent this situation?

- $12 - 12$
- $12 + 12$
- $12 - (-12)$
- $-12 + (-12)$

Name: _____

Question 3

/1

Danielle constructs a scale model of a building with a rectangular base. Her model is 2 inches in length and 1 inch in width. The scale on the model is 1 inch = 47 feet. What is the actual area, in square feet, of the base of the building?

141

282

2,209

4,418

Question 4

/1

A middle school principal wants to change the lunch menu at the school. The principal surveys the students to determine how the students would feel about the changes. Which survey method will produce the best representative sample?

survey every fifth student who rides in a car to school

survey 3 randomly selected students from every homeroom

survey every tenth seventh-grade student during lunch

survey 5 randomly selected students from every art, drama, and music class

Name: _____

Question 5

/1

Which situation results in a final value of zero?

The temperature after a decrease of 5°F from a temperature of -5°F .

The height of an airplane after taking off from ground level and rising 1,000 feet.

The amount of money received in change after making a \$10 purchase with a \$20 bill.

The distance above sea level after increasing 24 meters from a depth of 24 meters below sea level.

Question 6

/1

Nick is making bread dough.

The recipe requires $\frac{3}{4}$ cup of flour and $1\frac{1}{8}$ teaspoons of salt.
Nick wants to make the recipe using 1 cup of flour.

To maintain the ratio, how much salt is required when 1 cup of flour is used?

27 thirty seconds teaspoon

2 thirds teaspoon

1 and 1 half teaspoons

1 and 7 eighths teaspoons

Name: _____

Question 7

/1

Which number represents the probability of an event that is very likely to occur?

0.12

1.3

0.89

0.09

Question 8

/1

At midnight, the temperature was -8°F . At noon, the temperature was 23°F . Which expression represents the increase in temperature?

$-8 - 23$

$-8| - 23$

$-8 - |23|$

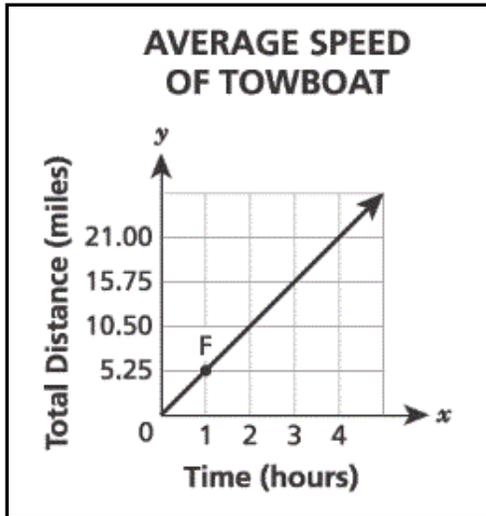
$|-8 - 23|$

Name: _____

Question 9

/1

The graph below shows the total distance, in miles, traveled by a towboat over time, in hours.



Which statement **best** describes the meaning of the coordinates of point F on the graph?

It shows the unit rate of the graph in hours per mile.

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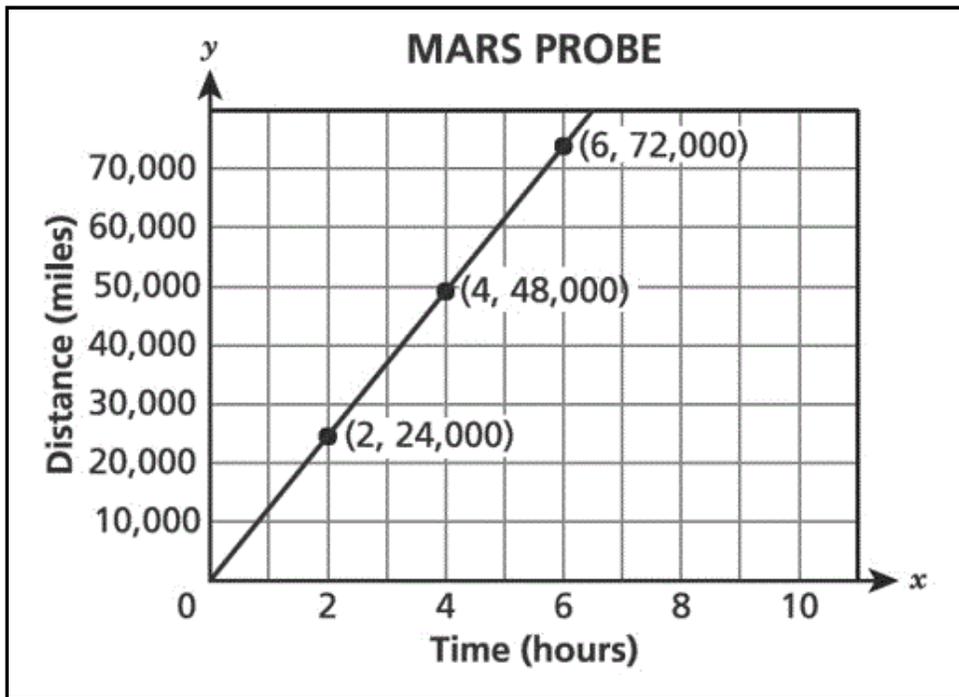
It shows the time, in hours, it takes the towboat to travel 1 mile.

It shows the distance traveled, in miles, by the towboat after 5.25 hours.

Question 10

/1

The graph shows the relationship between x , the amount of time in hours, and y , the distance traveled in miles, by a probe before it reaches Mars.



Does the graph represent a proportional relationship? Why or why not?

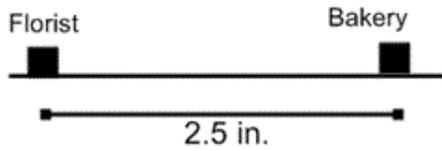
Justify your answer.

Name: _____

Question 11

/1

Sam is planning a birthday celebration for his coworker. He drew the map below to show the places he needs to drive to get party supplies. The map has a scale 1 inch to 25 miles.



Sam is currently at the bakery and his next stop is the florist. What is the actual distance, in miles, between the two places?

10.0

27.5

62.5

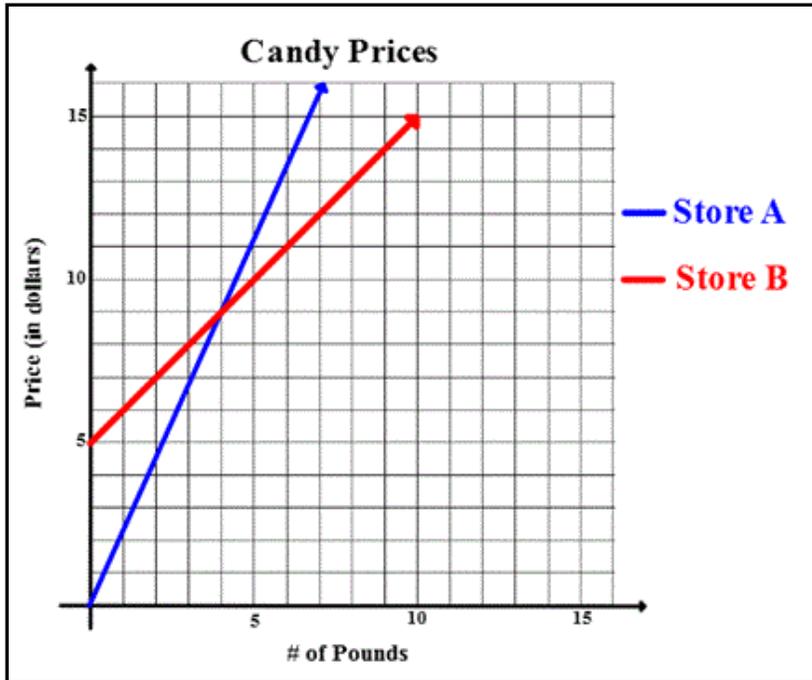
75.0

Name: _____

Question 12

/1

The lines below show the total cost of bulk candy depending on the weight of the candy for two stores.



Explain whether or not there is a proportional relationship between the cost of candy and the number of pounds of candy for each store.

Instructions for grading: Grade each question and tally the score to obtain the total test points. If the factor does not equal 1, multiply the total points by the factor to obtain the student's final score.

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On average, Shawnte drinks $\frac{1}{2}$ of a 6-ounce glass of water in $\frac{2}{3}$ hour. How much water does she drink in an hour?

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1 possible pts.

Question 2

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$12 - 12$

1 possible pts.

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Question 5

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1 possible pts.

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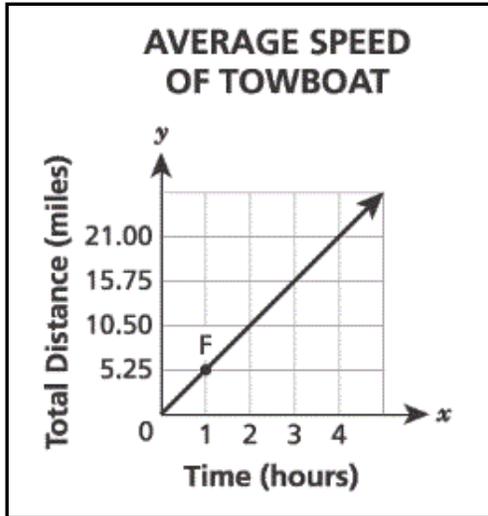
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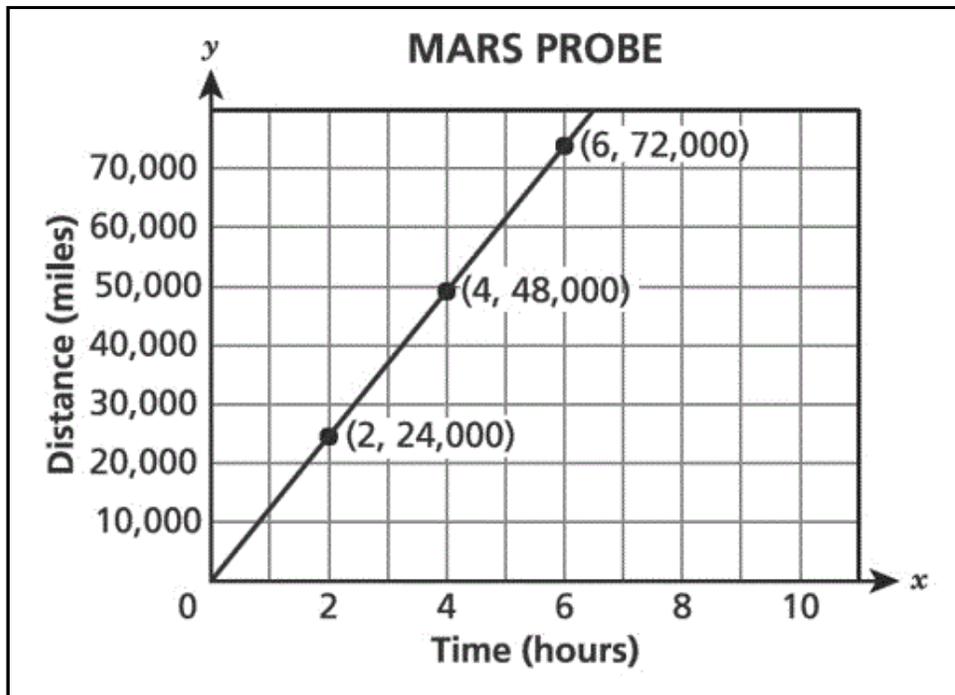
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Question 10

This question is subjective.

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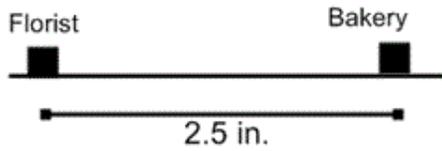
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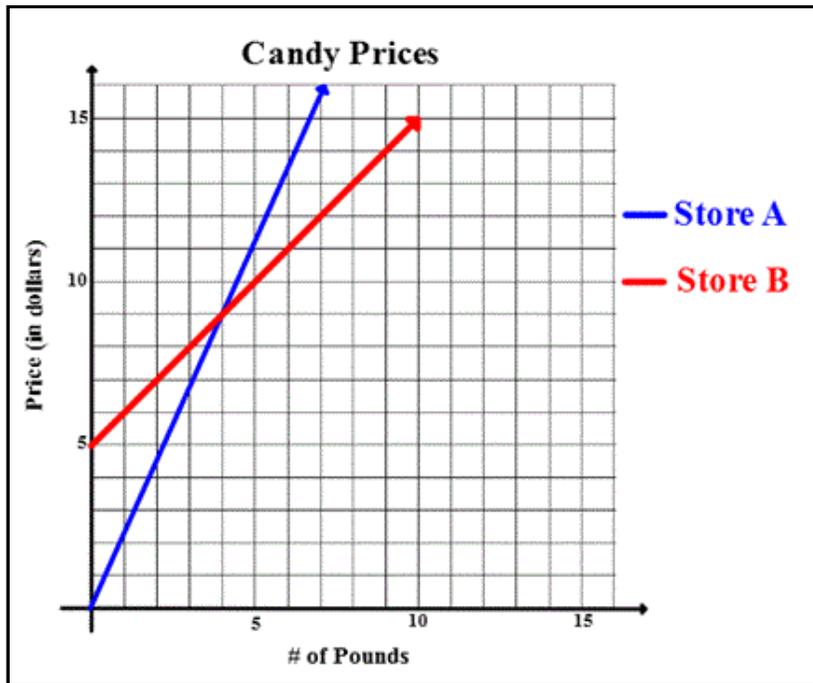
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