

Unit 1 Take Home Quiz

Mr. Ferrante

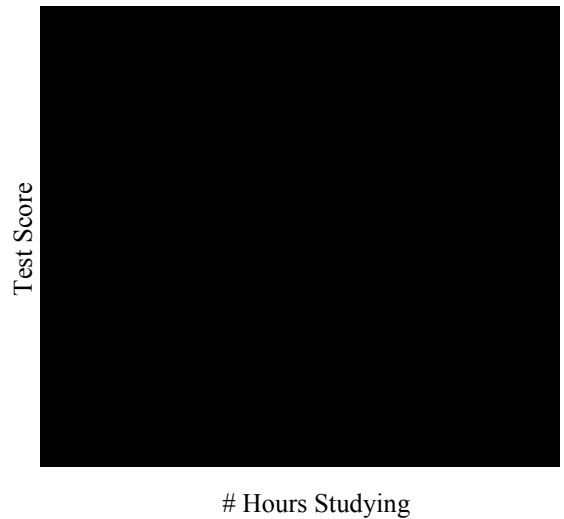
Name _____

Period ____ Date _____

1. The graph at right shows data for a class.

a. Copy and complete the table below from the graph at right.

# of Hours Studying	Test Score



b. If you plan on studying 7 hours, what grade can you expect? Justify your answer.

c. How many hours did the person with the lowest grade study? How can you tell?

2. a. Draw a picture that represents $\frac{3}{5}$.

b. Write an equivalent fraction for $\frac{3}{5}$ and draw a picture.

3. Evaluate each expression without a calculator.

a. $(-8)(-7)$

b. $-8+7$

c. $-8-7$

d. $7-8$


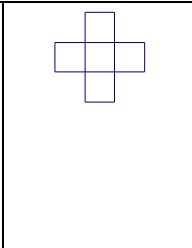
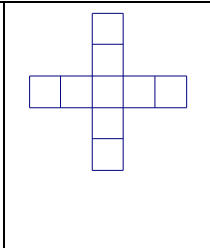
e. $\frac{4}{5}-\frac{7}{5}$

f. $\frac{1}{4}-\frac{1}{2}$

h. $\frac{2}{3}\cdot\frac{6}{8}$

i. $-8-(-7)$

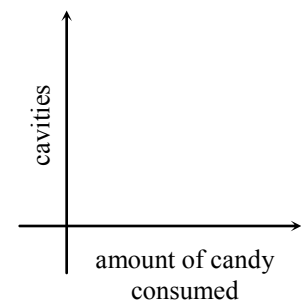
4. Examine this tile pattern and answer the questions below.

				
Figure 1	Figure 2	Figure 3	Figure 4	Figure 5

- Draw figures 1, 4, and 5 on your paper.
- Describe how the pattern grows.
- Which figure has 41 squares? Explain how you found your answer.

5. Using the axes at right, place a point for:

- Student A, who eats lots of candy and has a lot of cavities.
- Student B, who eats a small amount of candy and has few cavities.



6. Mason earned the following chapter test scores during the first semester of freshman year: 78, 65, 92, 90, 82, 75. He would like to have a test average of 90%. If he has one test left to take, can he earn an average of 90%? Show your work and explain your reasoning.