Number Sense

MCAS Review Day 2

Name _____ HR _____

Math 6 White Section B C E F

Date _____

1. Jon and his friends painted a mural in art class. The shaded part of the figure below represents the part of the mural that Jon painted.

Which of the following best represents the percent of the mural that Jon painted?

A. 20%

B. 25%

C. 33%

D. 40%

2. The table below shows the lowest recorded temperature for each of four cities.

Lowest Recorded Temperatures

City	Temperature (in degrees Fahrenheit)
Detroit, Michigan	-21
San Juan, Puerto Rico	60
Fairbanks, Alaska	-62
Seattle, Washington	9

Which of the following shows these numbers in order from least to greatest?

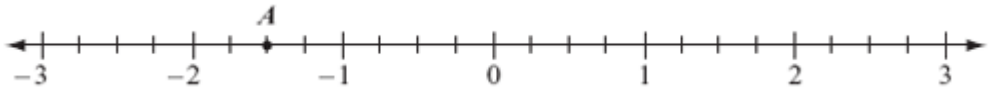
A. –62, –21, 9, 60

B. 9, –21, 60, –62

C. –62, 60, –21, 9

D. –21, –62, 9, 60

3. What number best represents the location of point *A* on the number line below?



Question 4 is an open response question. Please answer fully as required for all open response questions

4. Carla made the table below to show the populations of five different states.

State Populations

State	Population (in millions)
Massachusetts	6.35
New Hampshire	1.24
New York	18.98
Pennsylvania	12.28
Vermont	0.61

a. Based on the data in the table, write the states in order from the **greatest** population to the **least** population.

b. Based on the data in the table, estimate how many more people live in Pennsylvania than in Vermont. Show or explain your strategy.

c. Based on the data in the table, estimate the total number of people who live in all five states. Show or explain your strategy.

d. Based on your answer to part (c), estimate the percent of the total population of the five states that is from Massachusetts. Show or explain how you got your answer.

5. What is the value of the expression shown below?

$3 + (2 + 5) \times 3$

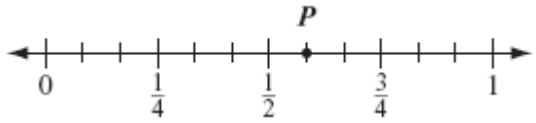
A. 13

B. 20

C. 24

D. 30

6. Which of the following numbers best represents the location of point *P* on the number line below?



A. $\frac{1}{3}$

B. $\frac{2}{3}$

C. $\frac{7}{9}$

D. $\frac{7}{12}$