6th Review #58 – WORK MUST BE SHOWN
FOR EACH PROBLEM – NO CALCULATORS

Name_____

1. Janie bought 3 giant cookie cakes. She wants to serve $^1/_4$ portions of the cake. How many $^1/_4$ portions are there in 3 cakes? *(Draw a model or show how you solved)*

A   3

B   4

C $^3/_4$

D   12

2. Look at the table below. Which estimate is closest to the total amount of time James spends on weekend activities? *(Show work)*

**James's
Weekend Activities**

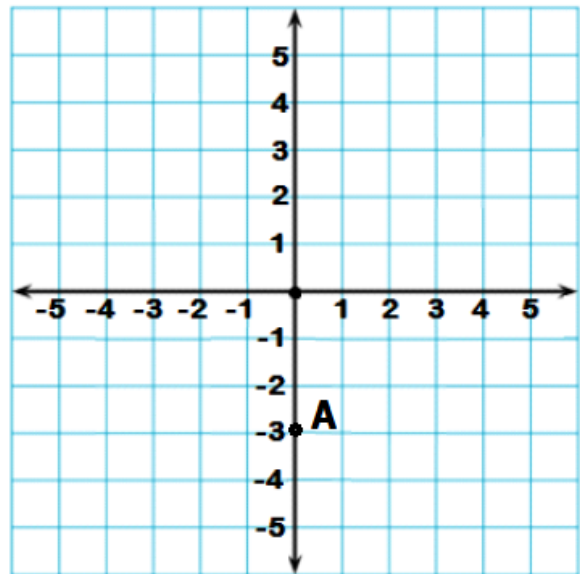| Activity	Time (hours)
Cleaning bedroom	$1\frac{2}{3}$
Washing dishes	$\frac{1}{4}$
Doing homework	$2\frac{3}{4}$
Cleaning bathroom	$\frac{1}{3}$
Folding clothes	$\frac{1}{2}$

A   1 hour

B   3 hours

C   6 hours

D   10 hours

3. The ratio of boys to girls in the band is 75 to 25. What is the ratio of girls to total students in the band? *(Label and show work)*

F   1 to 25

H   3 to 4

G   1 to 75

J   1 to 4

4. Which ordered pair below describes the Point A located on the coordinate plane? *(Show work)*

A   (3, 0)   C   (-3, 0)

B   (0,-3)   D   (0,3)

5. The ordered pair (6,-4) is located in which of the following quadrants? *(Show work)*

A Quadrant I   C   Quadrant III

B Quadrant II   D   Quadrant IV

6. Model the product: $^2/_5 \cdot {}^1/_4$
(Show work)

Adv. Review #58 (7th grade SOLs)

SHOW HOW YOU SOLVED EACH PROBLEM – NO CALCULATORS!

7. Solve the following according to order of operations:

$$(10-8) \times (-4) \div 2 \times 4$$

8. The number 196 is a perfect square number. Draw a square in the space provided that proved that 196 is a perfect square.

9. Using problem #8, solve the following:

$$\sqrt{196} = \underline{\quad\quad}$$

10.

What is the value of the expression below?

$$|3| + |-3| + |-1|$$

A. −7

B. −1

C. 1

D. 7