

6th Review #61 – WORK MUST BE SHOWN FOR EACH PROBLEM – NO CALCULATORS (except on #5)

1. Beth bought 72.9 yards of fabric to make angel wings for the play. Beth needs to use 0.9 yards of fabric for each wing. How many wings can Beth make for the play? (*Show how you found the number of wings*)

- A 81 wings
- B 66 wings
- C 72 wings
- D 100 wings

2. Pat made 30 muffins for her party. Ten of the muffins were chocolate and 8 were blueberry. If the remainder of the muffins were bran, what is the percent of muffins that were bran? (*Show how you found the fraction*)

- A 12%
- B 40%
- C 25%
- D 30%

3. Find the difference: $3\frac{1}{2} - 2\frac{3}{4}$

Name _____

4. Solve: 12^3
(*Show how you solved*)

5. Solve the following equations:

$x - 8 = 10$	$6 = x + 9$
$5x = -25$	$9 = \frac{x}{3}$

6. Order from least to greatest: (*Draw a number line to show work*)

-9, |-30|, 4, |16|, -3

Adv. Review #61 (7th grade SOLs)

SHOW HOW YOU SOLVED EACH PROBLEM – NO CALCULATORS!

1. Model the following expression with counter chips (+, -); then solve.

$$-3 + 7$$

8. The number 400 is a perfect square number. Draw a square in the space provided that proved that 400 is a perfect square.

9. Using problem #8, solve the following:

$$\sqrt{400} = \underline{\hspace{2cm}}$$

10. In Buffalo, New York, the temperature was -14°F in the morning. If the temperature dropped 7°F , what is the temperature now?