

6th Review #79 – WORK MUST BE SHOWN FOR EACH PROBLEM – NO CALCULATORS

1. Which of the following shows the numbers from least to greatest? (*Show work*)

- A $0 < -8 < -3 < 2 < 9$
- B $-25 < -5 < 0 < 4 < 11$
- C $34 < 3 < 0 < -1 < -18$
- D $-7 < 0 < -13 < 3 < 9$

2. Evaluate the following expressions:
(*Show GEMDAS and work for each line*)

$$(5 \cdot 18 - 15) + 5^2 \cdot 4$$

- A 175
- B 475
- C 400
- D 340

3. Mr. Bader had 40 students join the string orchestra. Fifteen students played the violin. Thirteen students played the cello and the rest of the students played viola. What fraction and percent of the students played the viola? (*Show how you solved*)

- A $\frac{7}{10}$, 70%
- B $\frac{3}{10}$, 30%
- C $\frac{3}{25}$, 12%
- D $\frac{2}{5}$, 40%

Name _____

4. Francine shampooed $\frac{1}{2}$ of her living room carpet. $\frac{2}{3}$ of the shampooed carpet dried. How much of the whole carpet dried? (*Show your work*)

- A $\frac{5}{6}$
- B $\frac{1}{3}$
- C $\frac{1}{6}$
- D $\frac{7}{6}$

5. Patricia bought 5 lbs. of sugar at Fred's for \$3.50. She then bought 3 lbs. of sugar at CVS for \$2.70. How much more did she pay for one pound of sugar at CVS than one pound at Fred's? (*Show the cost of 1 pound*)

- A \$0.80
- B \$6.20
- C \$0.20
- D \$1.10

6. Circle all of the following that are true?
(*Show how you compared the numbers*)

- A $|-84| > -45$
- B $0 < -64$
- C $|2| > -19$
- D $|8| < |-20|$

Adv. Review #79 (7th grade SOLs)

SHOW HOW YOU SOLVED EACH PROBLEM – NO CALCULATORS!

7. Solve.

$$\frac{4^3}{-8}$$

8. Write $2\frac{2}{9}$ as a percentage.

9.

Which operation should be performed first in the expression

$$18 - 2 + 5 \times (16 + 66 \div 2)?$$

A. $2 + 5$

B. 5×16

C. $16 + 66$

D. $66 \div 2$

10. If 400, 361, 324, 289... is the pattern, what is the next perfect square number? Show how you know.