

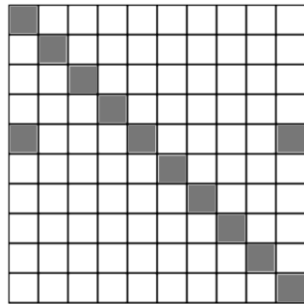
6th Review #71 – WORK MUST BE SHOWN FOR EACH PROBLEM – NO CALCULATORS

Name _____

1. Mark had finished 4% of his SOL test in 30 minutes. What fraction and decimal represent the amount of the SOL test that was finished? (*Show work*)

- A $\frac{2}{5}, 0.4$
- B $\frac{1}{25}, 0.04$
- C $\frac{1}{4}, 0.004$
- D $\frac{1}{4}, 0.04$

2. Which of the following would represent the shaded portion of the grid as a fraction, a decimal, and a percent? (*Show how you found the fraction, decimal, & percent*)



- A $\frac{1}{12}, 0.12, 12\%$
- B $\frac{3}{25}, 1.2, 12\%$
- C $\frac{12}{25}, 0.12, 12\%$
- D $\frac{3}{25}, 0.12, 12\%$

3. Evaluate the following: (*show GEMDAS and work for each step*)

$$8 \bullet [3 + (33 - 12)] \div 4$$

4. Jeremy bought 5 apples at Kroger's for \$4.00. He then bought 3 apples at Food City for \$2.70. How much more did Jeremy pay for one apple at Food City than at Kroger's? (*Show how you found the cost of one apple*)

- A \$1.30
- B \$0.10
- C \$6.70
- D \$0.50

5. Which of the following is NOT an integer? (*Show why it is not an integer*)

- A 0
- B -5
- C 0.8
- D $\frac{20}{10}$

6. Find the quotient: $\frac{5}{6} \div \frac{1}{3}$

- A $\frac{5}{18}$
- B $\frac{1}{5}$
- C $3\frac{3}{5}$
- D $2\frac{1}{2}$

Adv. Review #71 (7th grade SOLs)

SHOW HOW YOU SOLVED EACH PROBLEM – NO CALCULATORS!

7.

What is the value of $(-4 \times 2) + -9 \div 3 + 5$?

A -12

B 6

C -6

D 10

8.

$$\frac{-10 + -2 \cdot 4^2}{2}$$

9. If 100, 121, 144, 169... is the pattern, what is the next perfect square number? Show how you know.

10. Solve the following:

$$-239 + 149$$