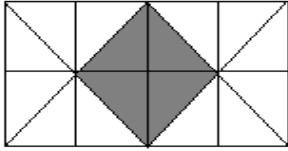


6th Review #63 – WORK MUST BE SHOWN FOR EACH PROBLEM – NO CALCULATORS (except on #6)

1. What percent represents the shaded part of the figure below? (*Show how you found the percent*)



- A 4%** **C 20%**
B 16% **D 25%**

2. Which of the following is true? (*Show work*)

- A** $40\% < \frac{3}{9}$
B $\frac{2}{5} = 0.25$
C $45\% = \frac{9}{20}$
D $7\% > 0.7$

2. What would be the first step to evaluate the following expression? (*Explain why you chose your answer*)

$$5 + 16 \bullet 8 - 3^2$$

- A** Add the 5 and the 6
B Multiply 6 groups of eight
C Solve 3^2
D Subtract the 3 from the 8

Name _____

4. Brian brought 24 baseball cards and 12 hockey cards to sell in the festival. The baseball cards were \$1.98 each and the hockey cards were \$0.45. About how much money will he make if he sells all his cards? (*Show how you solved*)

- A** \$54 **C** \$3
B \$36 **D** \$12

5. The team scored 28 points. Jared scored 10 points of those points. Bobby scored 11 of the points and Riley scored the rest of the points. What percent of the points did Riley score? (*Show how you found the fraction and the percent*)

- A** 7%
B 21%
C 25%
D 28%

6. Jerod covered the garden with mulch. If each side of the garden was 15 ft. long, how many square feet of the garden did he have to cover with mulch? (*Draw the figure; write the formula; use formula to solve*)

Adv. Review #63 (7th grade SOLs)

SHOW HOW YOU SOLVED EACH PROBLEM – NO CALCULATORS!

7. Solve the following:

$$-1 + (9 - 4) \div -5$$

8. If $18 \times 18 = 324$, $19 \times 19 = 361$, and $20 \times 20 = 400$, what is the next perfect square number? Draw a picture of a square to prove it.

9. Johnny was working on his go cart. He needed to tighten the last bolt. He tried to use a $\frac{3}{4}$ inch wrench but it was too big. He tried a $\frac{3}{8}$ wrench and it was too small. What size should Johnny try next to finish the job?

A $\frac{1}{8}$

B $\frac{1}{2}$

C $\frac{7}{8}$

D $\frac{1}{4}$

10. A submarine was situated 800 feet below sea level. If it ascends 250 feet, what is its new position?