

6th Review #44 – WORK MUST BE SHOWN
FOR EACH PROBLEM – NO CALCULATORS

Name _____

1. Which of the following decimal numbers is less than $\frac{5}{8}$ (Show how you found a decimals number less than $\frac{5}{8}$)

- A 0.8
- B 0.425
- C 0.70
- D 0.95

2. Jackie needed to make butterfly costumes for the school play. Each costume needs $2\frac{1}{3}$ yards of fabric. If the play needs three butterfly costumes, how many yards of fabric would she need to purchase? (Show how you found the yards for all of the costumes)

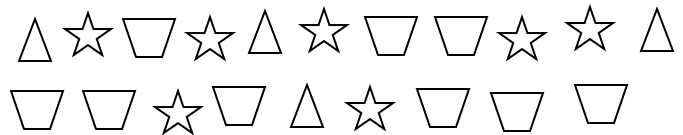
- A 7 yards
- B $6\frac{1}{3}$ yards
- C $\frac{7}{9}$ yard
- D 6 yards

3. Bryce frosted $\frac{3}{5}$ of the cake. He put candy sprinkles on $\frac{1}{2}$ of the frosted part. How much of the whole cake had candy sprinkles? (Model or show how you found the fraction)

- A $\frac{1}{2}$
- B $\frac{3}{5}$
- C $\frac{3}{10}$
- D $\frac{1}{4}$

4. Model & Solve: $3 \div \frac{3}{4}$

5. What **percent** represents the ratio of trapezoids to total figures? (Show how you found the ratios & the percent)



- A 45%
- B 9%
- C 20%
- D 36%

6. Find the product: $2\frac{1}{4} \bullet 1\frac{1}{6}$
 (HINT: use shortcut)

Adv. Review #44 (7th grade SOLs)

SHOW HOW YOU SOLVED EACH PROBLEM – NO CALCULATORS!

7. The highest recorded temperature in Georgia is 112 degrees Fahrenheit. The lowest is -17 degrees Fahrenheit. What is the difference from the low temperature to the high temperature?

8. The number 16 is a perfect square number. Draw a square in the space provided that proved that 16 is a perfect square.

9. Using problem #8, solve the following:

$$\sqrt{16} = \underline{\hspace{2cm}}$$

10. If a submarine is located at 436 feet below sea level, and then it rises 245 feet, what is its new location below sea level?