

**6th Review #43 – WORK MUST BE
SHOWN
FOR EACH PROBLEM – NO CALCULATORS**

1. Which of the following shows 8% written as a fraction & decimal? (*Show the work for finding each*)

A $\frac{2}{25}, 0.008$

B $\frac{1}{8}, 0.08$

C $\frac{2}{25}, 0.08$

D $\frac{1}{8}, 0.008$

2.

The length of a rope is $21\frac{3}{8}$ feet. James cut $2\frac{3}{4}$ feet from this length of rope to use on a project. Exactly what length of rope remained unused?

3. Find the quotient: $2\frac{1}{4} \div \frac{2}{3}$

Name _____

4. Model to find the product: $\frac{7}{8} \bullet \frac{3}{4}$

5. Billy bought 40 prizes for their booth at the carnival. There were 17 posters, 13 kites, and the rest were tickets for free ice cream. What percent of the prizes were tickets for free ice cream? (*Show you found the percent*)

A 10%

B 40%

C 33%

D 25%

6. At Candy Factory, Sylvia bought $2\frac{1}{3}$ pounds of taffy at \$3 per pound. What was the total cost of her purchases from Candy Factory? (*Show how you found the total cost*)

Adv. Review #43 (7th grade SOLs)

SHOW HOW YOU SOLVED EACH PROBLEM – NO CALCULATORS!

7. The highest recorded temperature in Washington D.C. is 106 degrees Fahrenheit. The lowest is -15 degrees Fahrenheit. What is the difference from the high temperature to the low temperature?

8. The number 25 is a perfect square number. Draw a square in the space provided that proved that 25 is a perfect square.

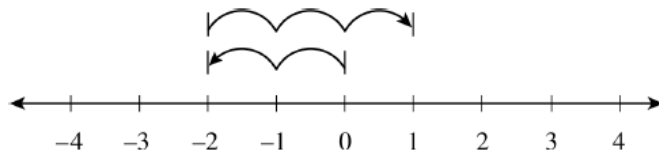
9.

Using problem #8, solve the following:

$$\sqrt{25} = \underline{\hspace{2cm}}$$

10.

Which of the following number sentences is represented on the number line shown below?



- A. $-2 + (-3) = 1$ B. $1 + (-2) = -2$
C. $1 - (+2) = -1$ D. $-2 + 3 = 1$

