

**6th Review #70 – WORK MUST BE SHOWN FOR EACH PROBLEM – NO CALCULATORS (except on #5, 6)**

1. Evaluate the following expression:  
(show GEMDAS and work for each step)

$$196 - 15 \cdot 2^3 + 35$$

2. The chart lists the choices of meat, vegetables, and drinks. What is the ratio of vegetables to total items AS A PERCENTAGE?

MEAT	VEGGIE	DRINK
14	16	2

3. Order the following integers from greatest to least. (Show how you compared)

$$-8, |-13|, 0, 5, |21|$$

Name \_\_\_\_\_

4. In the bag there are 24 colored pencils. 10 of these are red and 8 are blue. What percent are the remaining yellow pencils?  
(Hint: show the fraction of yellow pencils then change to percent)

- A 6%
- B 24%
- C 25%
- D 18%

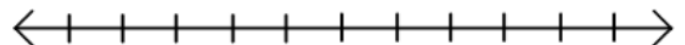
5. In the equation shown below, what part is circled?

$$4x - 7 = 5$$

- A Variable
- B Constant
- C Coefficient
- D Equation

6. Solve the inequality and then graph:

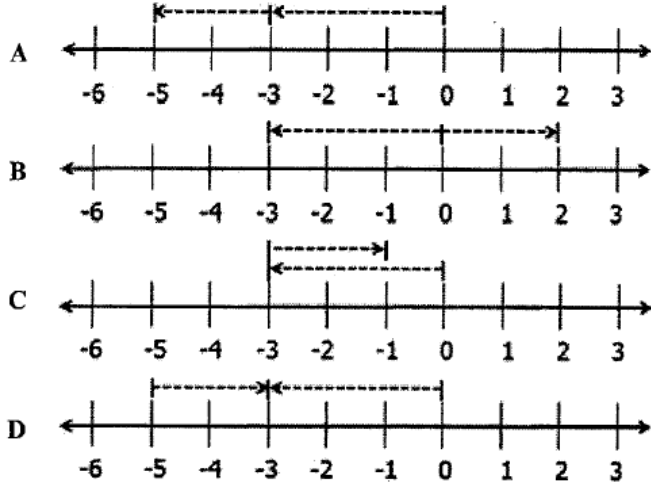
$$-5 > x + 2$$



**Adv. Review #70 (7<sup>th</sup> grade SOLs)**  
**SHOW HOW YOU SOLVED EACH**  
**PROBLEM – NO CALCULATORS!**

7.

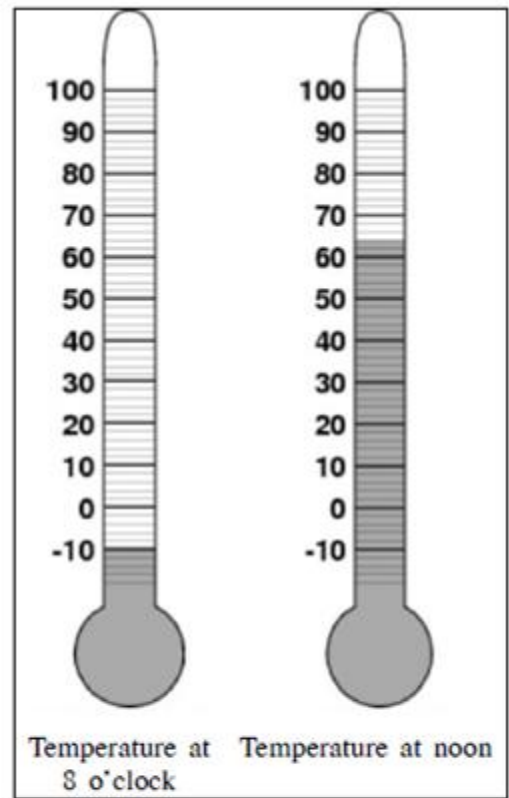
Which model represents  $(-3) + (-2) = (-5)$  ?



8. Solve the following:

$$\frac{-100 \div -4 - 5^2}{8}$$

9.



The first thermometer shows the temperature at 8 o'clock. The second thermometer shows the temperature at noon. By how many degrees did the temperature rise between 8 o'clock and noon?

10. Model the following expression with counter chips (+, -); then solve.

$$-6 + 4$$