

6th Review #30 – WORK MUST BE SHOWN
FOR EACH PROBLEM – NO CALCULATORS

1. Write the following as an improper fraction.
(Show how you changed it to an improper fraction)

$$3 \frac{4}{5}$$

2. Circle all of the following below that are integers (Show why they are integers)

$$0 \qquad \frac{6}{6} \qquad -0.2$$

$$-25 \qquad \frac{13}{3} \qquad \frac{1}{8}$$

3. Draw a model to represent $\frac{2}{5} \cdot \frac{1}{4}$, then check using the shortcut.

Name _____

4. Find the product: $7 \frac{1}{5}$ and $2 \frac{2}{3}$

5. Compare ($<$, $>$, or $=$). (Show how you compared the numbers)

$$2 \frac{3}{5} \quad \underline{\hspace{1cm}} \quad 2.4$$

$$\frac{2}{6} \quad \underline{\hspace{1cm}} \quad 0.135$$

6. Which of the following would have an absolute value of 7? (show or explain how it would have an absolute value of 7)

$$-7 \qquad \frac{1}{7} \qquad 0.77$$

$$\frac{21}{3} \qquad 7.0$$

Adv. Review #30 (7th grade SOLs)

SHOW HOW YOU SOLVED EACH PROBLEM – NO CALCULATORS!

7. If the temperature at 1:00 pm was 7 degrees Fahrenheit, and the temperature dropped to -10 degrees at 9:00 pm, how many degrees did the temperature drop?

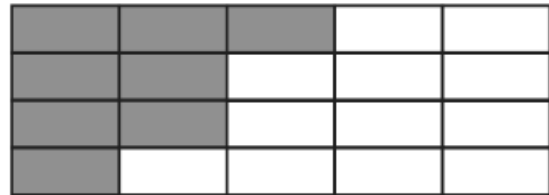
8. Model the following expression with counter chips (+, -); then solve.


$$7 + -12$$

9.

Use the diagram below to answer the following question.

Parking Lot



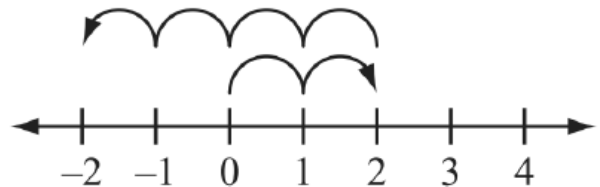
 = one parking space

The shaded parts of the diagram represent the spaces that are reserved. What percent of the spaces is reserved?

- A. 20% B. 30% C. 40% D. 50%

10.

Which of the following equations is best represented on the number line below?



- A. $2 + (-4) = -2$ B. $2 + (-2) = 0$
C. $4 + (-2) = 2$ D. $0 + (-2) = -2$