Weekly Review # 26

Name:_____

Block:_____

1. Solve then graph the inequality.

$3x > 36$

2. The steps below show a method for how to solve the following expression.

(34 + 16) + 5

Step 1: (34 + 16) + 5
Step 2: (16 + 34) + 5
Step 3: 16 + (34 + 5)
Step 4: 16 + 39
Step 5: 55

Which property is used to show that Step 1 and Step 2 are equivalent expressions?

a. associative property
b. commutative property
c. distributive property
d. identity property

3. Which of the of the following lists the numbers in order least to greatest?

a. $\frac{1}{10}$, 16%, 0.2, $\frac{1}{4}$, 0.29
b. 16%, $\frac{1}{4}$, $\frac{1}{10}$, 0.2, 0.29
c. 0.29, 0.2, $\frac{1}{10}$, 16%, $\frac{1}{4}$
d. 0.2, $\frac{1}{4}$, 16%, $\frac{1}{10}$, 0.29

4. Jack wants to store $25\frac{1}{2}$ cups of puppy chow in baggies. Each baggie holds $1\frac{1}{2}$ cups. How many WHOLE baggies does he need?

5. Write an expression for the situation given. *Camera World rents video cameras by the day. The store charges $6 per day plus a $2.50 cleaning charge. Let x represent the number of days you rent a camera.*

6. Solve. $\frac{5}{6} \div 2\frac{3}{4} =$

7. Solve using the distributive property.

$4(3m - 2n + 6)$

8. Combine like terms to simplify.

$-3 + 2c + 15 - 3c + 5d$

9. Charlie can run one lap around the track in 6 minutes. Jack can run one lap around the track in 4 minutes. If they both start at 3:00pm what time will they both arrive back at the start line at the exact same time?

10. Graph the values on the number line.

-1.75 $\frac{8}{4}$ 4.5 0.25