Weekly Math # 10

YOU MUST SHOW WORK

Name: _____

Date Due: _____ **Block:** _____

1.
Which expression is NOT equal to -20?

A. $(-2)(-2)(-5)$

B. $-18-2$

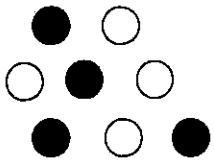
C. $|(-18)+(2)|$

D. $(-1)+(-3)+(-16)$

2.
Evaluate.

$-13+20-8+2$

3.
If ○ = +1 and ● = -1, then what would the following collection of buttons represent?



4. Calculator Okay

Which set of ratios are equivalent?

A. $\frac{9}{12}$ & $\frac{108}{150}$

B. $\frac{15}{22}$ & $\frac{90}{154}$

C. $\frac{4}{31}$ & $\frac{16}{93}$

D. $\frac{8}{11}$ & $\frac{96}{132}$

1._____

2._____

3._____

4. _____

5.
Write the improper fraction as a mixed number.

$\frac{125}{6}$

6.
Simplify.

$|-2+(-8)|$

7.
Grant purchased a shirt for $29.95 and 2 pairs of socks for $2.95 a pair. The sales tax on these purchases was $2.42. What was the total amount Grant spent?

A. $35.32
B. $35.85
C. $38.27
D. $39.37

8.
Evaluate the expression, if a = 5, b = 12, and c = 4.

$5a-(bc)$

5._____

6._____

7. _____

8._____

9.
The low temperatures for 7 days in January are listed below.

$-12, -5, 0, 1, -8, 5, -2$

Find the average for the 7 day period.

10.
Find the sum.

$9\frac{5}{36}+2\frac{3}{4}=$

11.
Chance spent 36 minutes playing First in Math. What part of an hour did he play First in Math? **Write the fraction in simplest form.**

12.
A flower measures $2\frac{9}{15}$ inches tall. What is the height of the flower in decimal form?

9._____

10._____

11._____

12._____

13.
Multiply.

$$\begin{array}{r} 32.7 \\ \times\ 4.9 \\ \hline \end{array}$$

14.
Factor completely:

$36xy - 16y$

15.
Jack can travel $\frac{1}{5}$ of a mile in $\frac{3}{25}$ of an hour. What is his speed?

16. Calculator Okay

$$\frac{5.6}{3.2} = \frac{50.4}{x}$$

13._____

14._____

15._____

16._____

17.
Which statement is true?

a. $c^2 + 4d = 2c + 2d + 2d$

b. $6s - 2 = 2(3s - 2)$

c. $5(t + s) = 5t + s$

d. $12a + 15b = 3(4a + 5b)$

18.
A recipe that will make 3 pies calls for 7 cups of flour. How many pies can be made with 28 cups of flour?

17._____

18._____

19.
Solve.

$$-1\frac{1}{2} \times 3\frac{3}{5} \div \left(-\frac{9}{10}\right)$$

20.
An oil rig is drilling into the ground at a rate of 7 feet per minute. What integer represents the position of the oil rig after 42 minutes?

A. –294 ft.

B. –35 ft.

C. 35 ft.

D. 294 ft

19._____

20._____

21. Calculator Okay
A store sells dog food in two sizes. Which is the better buy?

A) 15 lbs. for $26.25

B)20 lbs. $35.60

22.
Solve.

$$-24\frac{1}{3} - \left(-8\frac{2}{5}\right)$$

23.
Marie and Mark work at the GAP. Each earns $6.50 per hour. Maria works 12 hours per week, and Mark works 8 hours per week. How much do the two of them earn together each week?

24.
Find the GCF of 150 and 200.

21._____

22._____

23._____

24._____