Mathematics 7
Formative Quiz 3

Student Name: __________________________
N5 – Add and subtract fractions and mixed numbers.

1. Calculate:

\[
4 \frac{1}{3} + 1 \frac{1}{6} - 1 \frac{1}{4}
\]

(A) \(5 \frac{3}{13}\)

(B) \(5 \frac{3}{12}\)

(C) \(5 \frac{1}{4}\)

(D) \(5 \frac{1}{5}\)
N6 - Add and subtract integers.

2. Calculate:

\[ 7 + (-4) - (-8) \]

\[ \begin{array}{c}
\text{A} & -11 \\
\text{B} & -5 \\
\text{C} & 5 \\
\text{D} & 11 \\
\end{array} \]
N6 - Add and subtract integers.

3. Calculate:

\[ 21 + (-16) - (-2) \]

A  39

B  35

C  7

D  -7
4. Arrange the following numbers in ascending order:

\[ 1 \frac{3}{5}; \frac{3}{8}; 0.75; 0.325; -9 \]

(A) 0.325; \( \frac{3}{8} \); 0.75; \( 1 \frac{3}{5} \); -9

(B) \( 1 \frac{3}{5} \); 0.75; \( \frac{3}{8} \); 0.325; -9

(C) -9; 0.325; \( \frac{3}{8} \); 0.75; \( 1 \frac{3}{5} \)

(D) -9; \( \frac{3}{8} \); 0.75; 0.325; \( 1 \frac{3}{5} \)
PR7- Be able to model and solve problems using equations.

5. Jeff bought 5 apples at the store for a cost of $2.00 each. He also bought oranges for $3.00 each. He spent a total of $22.00. Which equation below represents how many oranges Jeff bought?

A) $3x + $10.00 = $22.00
B) $10x + $3.00 = $22.00
C) $3x – $10.00 = $22.00
D) $\frac{x}{3} – $10.00 = $22.00
PR7- Be able to model and solve problems using equations.

6. Solve:

\[ 3y - 6 = 24 \]

\( \begin{align*}
\text{A} & \quad y = 6 \\
\text{B} & \quad y = 10 \\
\text{C} & \quad y = 54 \\
\text{D} & \quad y = 90
\end{align*} \)
SS4 – Be able to plot points on a Cartesian plane

7. What is the correct set of ordered pairs for shape below?

A. S (-9, -1), T (-5, 0), U (-1, -3), V (-5, 0)

B. S (9, 0), T (5, -4), U (1, 0), V (5, 4)

C. S (0, -9), T (4, -5), U (0, -1), V (-4, -5)

D. S (-9, 0), T (-5, 4), U (-1, 0), V (-5, -4)
SS1: Understand circles and be able to show how radius, diameter and circumference are all related to one another.

8. Calculate the diameter of the circle. Use 3.14 for $\pi$.

C = 37.68 cm

- A 118.32 cm
- B 12.56 cm
- C 12 cm
- D 6 cm
SS2 - Know how to make the formula for the area of triangles, parallelograms, and circles.

9. Find the area of the circle. Use 3.14 for $\pi$.

\[ \text{A} \quad 25.12 \text{ m}^2 \]
\[ \text{B} \quad 50.24 \text{ m}^2 \]
\[ \text{C} \quad 200.96 \text{ m}^2 \]
\[ \text{D} \quad 100.48 \text{ m}^2 \]
SP4 – Express probabilities as ratios, fractions, and percents.

10. What is the probability of spinning an A on the following spinner? Express your answer as a percentage.

A  37.5%
B  33.3%
C  12.5%
D  3.75%
Mathematics 7

1. A B C D
2. A B C D
3. A B C D
4. A B C D
5. A B C D
6. A B C D
7. A B C D
8. A B C D
9. A B C D
10. A B C D