Mathematics 7

Formative Quiz 3

Student Name: _____

N5 – Add and subtract fractions and mixed numbers.

1. Calculate:

$$4\frac{1}{3}+1\frac{1}{6}-\frac{1}{4}$$

Ⓐ $5\frac{3}{13}$

Ⓑ $5\frac{3}{12}$

Ⓒ $5\frac{1}{4}$

Ⓓ $5\frac{1}{5}$

N6 - Add and subtract integers.

2. Calculate:

$$7 + (-4) - (-8)$$

Ⓐ -11

Ⓑ -5

Ⓒ 5

Ⓓ 11

N6 - Add and subtract integers.

3. Calculate:

$$21+(-16)-(-2)$$

Ⓐ 39

Ⓑ 35

Ⓒ 7

Ⓓ −7

N7 – Put positive numbers, decimals, and whole numbers in order (ascending and descending).

4. Arrange the following numbers in ascending order:

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

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

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

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

Ⓓ $-9;\ \frac{3}{8};\ 0.75;\ 0.325;\ 1\frac{3}{5}$

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?

Ⓐ $3x + \$10.00 = \$22.00$

Ⓑ $10x + \$3.00 = \$22.00$

Ⓒ $3x - \$10.00 = \$22.00$

Ⓓ $\frac{x}{3} - \$10.00 = \$22.00$

PR7- Be able to model and solve problems using equations.

6. Solve:

$$3y - 6 = 24$$

Ⓐ $y = 6$

Ⓑ $y = 10$

Ⓒ $y = 54$

Ⓓ $y = 90$

SS4 – Be able to plot points on a Cartesian plane

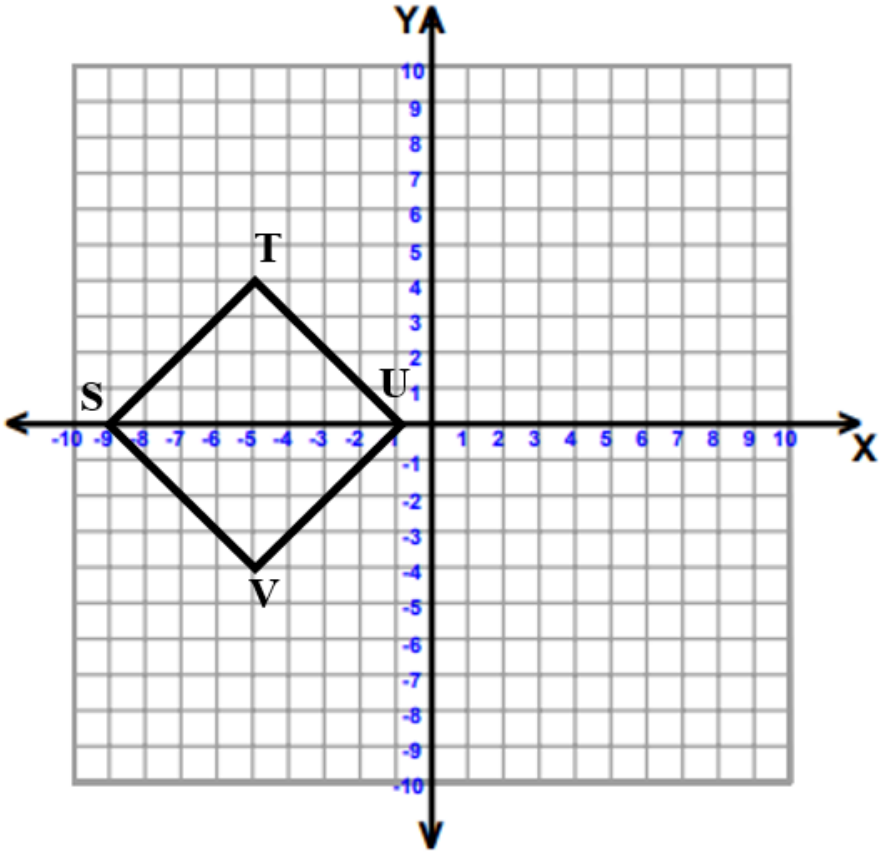
7. What is the correct set of ordered pairs for shape below?

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

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

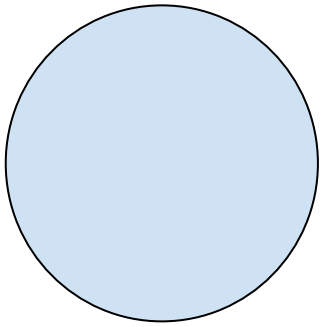
Ⓒ **S** (0, -9), **T** (4, -5), **U** (0, -1), **V** (-4, -5)

Ⓓ **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 π.



C = 37.68 cm

Ⓐ 118.32 cm

Ⓑ 12.56 cm

Ⓒ 12 cm

Ⓓ 6 cm

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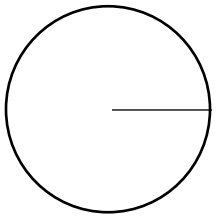
SS2 - Know how to make the formula for the area of triangles, parallelograms, and circles.

9. Find the area of the circle. Use 3.14 for π.



$r = 8$ m

Ⓐ 25.12 m^2

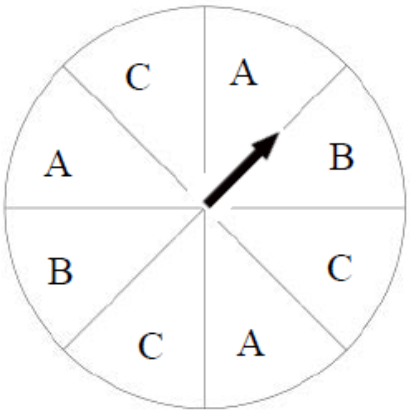
Ⓑ 50.24 m^2

Ⓒ 200.96 m^2

Ⓓ 100.48 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.



Ⓐ 37.5%

Ⓑ 33.3%

Ⓒ 12.5%

Ⓓ 3.75%

Mathematics 7

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