

Name _____ Date _____

"Interim 2 (NS/EE/RP) Review Questions"

1. There are 25 scholars on a field trip. If the ratio of girls to boys is 3 to 2. How many girls and how many boys went on the field trip?

2. What is the value of the expression $-(-\frac{7}{9}) \div (-\frac{2}{5}) \times (-2\frac{1}{4})$?

3. Which expression represents the sum of $\frac{2}{3}m - 1\frac{1}{6}$ and $\frac{5}{6}m - 1\frac{1}{3}$

A. $1\frac{1}{2}m - 2\frac{1}{2}$

C. $\frac{1}{6}m - \frac{1}{3}$

B. $\frac{1}{6}m + \frac{1}{3}$

D. $1\frac{1}{2}m + 2\frac{1}{2}$

4. The width of a rectangle is $6\frac{2}{3}$ inches. The length of the rectangle is twice its width.

What is the perimeter of the rectangle?

a) 20 inches

b) 40 inches

c) $30\frac{2}{3}$ inches

d) $88\frac{8}{9}$ inches

5. Christopher needs at least 80 signatures from scholars in his school before he can run for class president. He has 23 signatures already. He and two of his friends plan to get the remaining signatures during lunch. If each person gets the same number of signatures, which inequality can Christopher use to determine the minimum number of signatures each person should get so he can run for class president?

a) $3x + 80 \geq 23$

c) $3x + 23 \geq 80$

b) $3x + 80 \leq 23$

d) $3x + 23 \leq 80$

6. Maia bought x number of shirts for the new members of her chorus. The cost for x number of shirts, including \$3.99 shipping, was \$77.49. Each shirt cost \$12.25. There was no sales tax on this purchase. Which equation could be used to find x ?

a) $3.99(x + 12.25) = 77.49$

c) $12.25(x + 3.99) = 77.49$

b) $3.99x + 12.25 = 77.49$

d) $12.25x + 3.99 = 77.49$

7. . At midnight, the temperature was -8°F . At noon, the temperature was 23°F . Which expression represents the increase in temperature?

a) $-8 - 23$

c) $-8 - |23|$

b) $|-8| - 23$

d) $|-8 - 23|$

8. Which expression is equivalent to $-\frac{1}{3}(6x + 15) - 3$?

a) $-2x + 12$

c) $-2x - 2$

b) $-2x + 2$

d) $-2x - 8$

9. There are four stores in your neighborhood that sell apples. The table below shows how much each store charges.

Store	Amount	Price
Store A	3 lbs	\$9.00
Store B	3 lbs	\$9.75
Store C	4 lbs	\$12.40
Store D	5 lbs	\$14.50

- a) Which store has the lowest price per pound for the apples?
- b) Which store has the highest price per pound for the apples?
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10. Joshua painted $\frac{3}{4}$ of a wall using $\frac{1}{4}$ of a can of paint. Which statement are true?

- a) He can paint 8 walls with 2 cans of paint
- b) He can paint 5 walls with $1\frac{2}{3}$ cans of paint
- c) He can paint 4 walls with 1 can of paint
- d) He can paint 2 walls with $\frac{1}{2}$ can of paint

11. Atiyana has a recipe that uses $1\frac{1}{3}$ cups of raisins and $2\frac{2}{3}$ cups of baking powder to make 24 muffins. She has a total of 7 cups of baking powder. Atiyana wants to use all of her baking powder to make as many muffins as possible using this recipe.

a) How many cups of raisins will Atiyana use if she uses all 7 cups of baking powder?

b) How many muffins will Atiyana make if she uses all 7 cups of baking powder?

12. Given a rectangular room, Jaden wants to paint the walls. The dimensions of the wall are 39 feet by $21\frac{1}{2}$ feet. If the total amount for the paint is \$771.12, what is the cost per square foot?

Answer _____