1-1: I can identify numbers on a number line, compare positive and negative numbers, and evaluate absolute values.

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1. Evaluate: $|5 - 23|$

   $= 18$

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2. Place a <, >, or a = sign between the following to make it true:

   $|12 - 8|\ \underline{=}\ |15 - 19|$
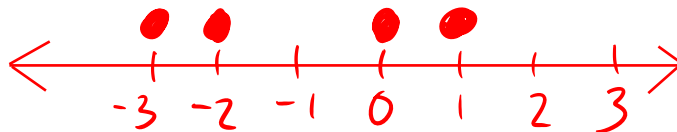
   $4\ =\ 4$

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3. Evaluate: $|12| - |-3|$

   $12 - 3 = 9$

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4. $|5 + -8| + |-6|$

   $|-3| + |-6| = 9$

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5. Graph the following numbers on a number line $-2, -3, 0, 1$.

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6. Evaluate the expression $|a| - |c - b|$ when $a = -8, b = -7$, and $c = 6$.

   $|-8| - |6 - -7|$

   $= 8 - 13 = -5$

1-2: I can combine successive signs and add or subtract two or more integers. (positive or negative)

7. Evaluate: $6 + (-3) =$

$$= 6 - 3 = 3$$

8. Evaluate: $-7 - (3 - -12) =$

$$= -7 - (15) = -22$$

9. Evaluate: $(8 - 4) - (-2 + 6) =$

$$= 4 - 4 = 0$$

10. Find the value that should go in the blank in order for the statement to be true.

$5 - \underline{18} = -13$

18

11. Find the value that should go in the blank in order for the statement to be true.

$\underline{-3} - (-4) = 1$

$+ 4$

1-3:   I can evaluate expressions with integers using correct order of operations.

12. Evaluate: $15 - 2(6) =$

$$15 - 12 = \boxed{3}$$

13. Evaluate: $4 - 6(3 + -9) =$

$$4 - 6(-6) = 4 + 36 = \boxed{40}$$

14. Evaluate: $3(18 - 15) - 2(6 - +4) =$

$$= 3(3) - 2(2)$$
$$= 9 - 4 = \boxed{5}$$

15. Evaluate: $\frac{15--1}{-5+-3}$ $= \frac{15+1}{-5-3} = \frac{16}{-8} = \boxed{-2}$

16. Evaluate: $\frac{-2(-3)-5(10-+8)}{(8-12)(-5--3)}$ $= \frac{6-5(10-8)}{-4(-5+3)} = \frac{6-5(2)}{-4(-2)}$

$$= \frac{-4}{8} = \boxed{-\frac{1}{2}}$$

1-4: I can add or subtract two or more fractions (in mixed number form or improper).

17. Reduce to lowest terms: $\frac{24}{18} =$

$$\frac{4}{3}$$

Rewrite each question with common denominators then add or subtract as required.

18. $\frac{5}{6} + \frac{1}{4}$

$$\frac{5 \cdot 2}{6 \cdot 2} + \frac{1 \cdot 3}{4 \cdot 3} = \frac{10}{12} + \frac{3}{12} = \frac{13}{12} \quad \left(1\frac{1}{12}\right)$$

19. $\frac{5}{8} - \frac{1}{4}$

$$= \frac{5}{8} - \frac{1 \cdot 2}{4 \cdot 2} = \frac{5}{8} - \frac{2}{8} = \frac{3}{8}$$

20. $3\frac{1}{3} - 2\frac{1}{4}$

$$= \frac{10}{3} - \frac{9}{4} = \frac{40}{12} - \frac{27}{12} = \frac{13}{12} \quad \left(1\frac{1}{12}\right)$$

21. $\frac{2}{3} - 1\frac{1}{5}$

$$\frac{2}{3} - \frac{6}{5} = \frac{10}{15} - \frac{18}{15} = -\frac{8}{15}$$

1-5: I can multiply or divide two or more fractions, remembering to simplify before evaluating. I always reduce!

22. Evaluate: $\frac{10}{9} \cdot \frac{6}{5}$

$$\frac{\cancel{10}^2}{\cancel{9}_3} \cdot \frac{\cancel{6}^2}{\cancel{5}_1} = \boxed{\frac{4}{3}}$$

23. Evaluate: $\frac{25}{12} \div 8\frac{3}{4}$

$$\frac{25}{12} \div \frac{35}{4} = \frac{\cancel{25}^5}{\cancel{12}_3} \cdot \frac{\cancel{4}^1}{\cancel{35}_7} = \boxed{\frac{5}{21}}$$

24. Evaluate: $-\frac{6}{25} \div \frac{12}{5} \div \frac{5}{6}$

$$= -\frac{\cancel{6}^3}{25} \cdot \frac{\cancel{5}^1}{\cancel{12}_2} \cdot \frac{6}{\cancel{5}_1} = \boxed{-\frac{3}{25}}$$

25. Evaluate: $\left(\frac{5}{6} - \frac{2}{3}\right) \cdot \left(\frac{3}{4} \div \frac{9}{2}\right)$

$$= \left(\frac{5}{6} - \frac{2}{3}\right) \cdot \left(\frac{\cancel{3}^1}{\cancel{4}_2} \cdot \frac{\cancel{2}^1}{\cancel{9}_3}\right)$$

$$= \left(\frac{5}{6} - \frac{4}{6}\right)\left(\frac{1}{6}\right) = \frac{1}{6} \cdot \frac{1}{6} = \boxed{\frac{1}{36}}$$

26. How many people can you serve with fifteen pizzas if each person gets exactly three-fifths of a pizza?

$$15 \div \frac{3}{5} = 15 \cdot \frac{5}{3} = \boxed{25}$$