Unit 1: Number Skills Practice 2

Math 9 Principles

Name: _____   Block: _____

	Please initial this box to indicate you carefully read over your test and checked your work for simple mistakes.

	What I can do in this unit	Level
1-1	I can identify numbers on a number line, compare positive and negative numbers, and evaluate absolute values.	
1-2	I can combine successive signs and add or subtract two or more integers. (positive or negative)	
1-3	I can evaluate expressions with integers using correct order of operations.	
1-4	I can add or subtract two or more fractions (in mixed number form or improper).	
1-5	I can multiply or divide two or more fractions, remembering to simplify before evaluating. I always reduce!	

Code	Value	Description
N	Not Yet Meeting Expectations	I just don't get it.
MM	Minimally Meeting Expectations	Barely got it, I need some prompting to help solve the question.
M	Meeting Expectations	Got it, I understand the concept without help or prompting.
E	Exceeding Expectations	Wow, nailed it! I can use this concept to solve problems I may have not seen in practice. I also get little details that may not be directly related to this target correct.

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

1. Evaluate: $|6 - 25|$

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

    4____$|1 - 5|$

3. Evaluate: $|-4| - |-10|$

4. $|-3 + 6| - |-8|$

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

6. Evaluate the expression $|x + y|$ when $x = 4$ and $y = -6$.

7. Evaluate the expression $|a| - |b - c|$ when $a = -5, b = 11$, and $c = -6$.

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

8. Evaluate: $5 - (-2) =$

9. Evaluate: $-3 - 14 =$

10. Evaluate: $3 - (1 - 9) =$

11. Evaluate: $(5 - 7) - (-3 + 6) =$

12. Evaluate: $7 + (-1 - 6 + 2) =$

13. Find the value that should go in the blank in order for the statement to be true.
$4 + \_\_\_ = -7$

14. Find the value that should go in the blank in order for the statement to be true.
$\_\_\_ - (-8) = 4$

15. Evaluate: $23 - 4(6) =$

16. Evaluate: $(-5 - 3)(-7 + 2) =$

17. Evaluate: $7 - 2(0 - -9) =$

18. Evaluate: $3(9 - 11) - 2(-5 + 3) =$

19. Evaluate: $-(4 + -7) - 5(-10 - -8) =$

20. Evaluate: $-6 + -3(-5 - -4) =$

21. Evaluate: $\dfrac{-4-2}{-2+4}$

22. Evaluate: $\dfrac{3(-5)-4(5-10)}{(5-6)(-7--2)}$

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

23. Complete the equivalent fraction statement: $\dfrac{5}{6} = \dfrac{}{24}$

24. Reduce to lowest terms: $\dfrac{56}{64} =$

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

25. $\dfrac{1}{3} + \dfrac{3}{4}$

26. $\dfrac{7}{8} - \dfrac{2}{3}$

27. $2\dfrac{1}{4} - 3\dfrac{1}{3}$

28. $\dfrac{2}{5} + \dfrac{3}{4}$

29. $\dfrac{5}{6} - 1\dfrac{1}{18}$

30. Write the reciprocal of $-3\frac{2}{3}$.

31. Evaluate: $\frac{5}{9} \cdot \frac{3}{25}$

32. Evaluate: $4 \div \frac{2}{3}$

33. Evaluate: $2\frac{2}{5} \div \frac{3}{10}$

34. Evaluate: $-2\frac{1}{4} \div \frac{15}{32} \div \frac{36}{25}$

35. Evaluate: $\left(\frac{7}{8} - \frac{1}{4}\right) \cdot \left(\frac{2}{3} \div \frac{1}{9}\right)$

36. A rectangular hallway has dimensions 6 feet by 18 feet. It is to be tiled with square tiles, each with the dimensions $\frac{2}{3}$ feet by $\frac{2}{3}$ feet. How many tiles will you need?

37. A recipe calls for three quarters of a bowl of flour and one fifth of a bowl of sugar, then to fill the remainder of the bowl with milk. What fraction of the bowl is filled with milk?