

2.1: I can classify numbers. Classify each number as a real, rational, irrational, integer, whole and/or counting number. Check all boxes that apply to each number.

	Real	Rational	Irrational	Integer	Whole	Counting
1. -789.6754						
2. -34						
3. $43.5454545\dots$						
4. $\frac{-20}{5}$						
5. $.765894035\dots$						
6. $\frac{36}{\sqrt{36}}$						

2.1 I can state the opposite of a number. State the opposite of the number.

7. -9	8. 0
9. 54	10. -8.35
11. Find $-a(-b)$ when $a = 2$ and $b = -4$	12. Find $-(-(-(-x)))$ when $x = -2$

2.1 I can define what is means to be an integer. Use an integer to represent each situation described.

13. 10 degrees below zero.	14. A deposit of \$45
15. 36 feet above sea level	16. A decrease of 17

Score: _____ %

2.2: I can find the absolute value of a number.

I can evaluate expressions with absolute value.

1. $-|-17|$

2. $|3| + |5 - 9|$

3. $|4|$

4. $|10 + (-2)| - |-3|$

5. $15 - |-6|$

6. $|x| - x$ when $x = 2$

Compare the values using $<$, $>$, $=$.

7. $|m|$ ____ $-(-m)$ when $m = -3$

8. $|-3|$ ____ $|-2|$

9. $|-16 - 4|$ ____ $|21|$

10. $|5|$ ____ $|10 - 15|$

Score: _____

2.3 I can add integers.

1. $15 + 24$	2. $-13 + (-35)$
3. $29 + (-29)$	4. $-10 + 2$
5. $-14 + (-11)$	6. $-9 + -9$
7. $-25 + 17 + 6$	8. $-4 + (-8) + (-6)$
9. $9 + (-6)$	10. $12 + (-10) + 16$
Score: _____	

2.4 I can subtract integers.

1. $8 - 13$	2. $18 - (-11)$
3. $-14 - 15$	4. $-8 - 6$
5. $0 - (-4) - 8$	6. $14 - (-10)$
7. $-9 - (-4) - 2$	8. $3 - (-8)$
9. $7 - 11$	10. $-3 - (-3)$
Score: _____	

2.5 I can calculate the change that occurs between two values.

1. From -14 degrees to 16 degrees.	2. -33 feet to -100 feet
3. From 18 degrees to -2 degrees.	4. From 8 meters above sea level to 16 meters below sea level.
5. From $\$40$ to $\$16$.	6. From $-\$3$ to $\$18$.
7. From 45 to 62	8. From -6 to -22 .
	Score: _____

2.6 I can multiply and divide integers.

1. $-8 * 2$	2. $-15 \div 3$
3. $-4 * -4$	4. $24 \div (-4)$
5. $5 * -6$	6. $-36 \div -6$
7. $5 * 0$	8. $25 \div 5$
9. $-7 * (-7)$	10. $-9 \div -3$
	Score: _____

2.7 I can find the square root of a number.

1. $-\sqrt{9}$

2. $\sqrt{36}$

3. $\sqrt{64}$

4. $-\sqrt{\frac{100}{121}}$

5. $\sqrt{16}$

6. $\sqrt{144}$

Approximate each square root.

7. $\sqrt{71}$

8. $\sqrt{60}$

9. $-\sqrt{101}$

10. $\sqrt{2}$

11. $\sqrt{19}$

12. $-\sqrt{26}$

Score: _____

2.8 I can use Order of Operations with Integers

1. $(-3)^2 \cdot (5 - 7)^2 - (-9) \div 3$

2. $20 - 2 \cdot 7 + 1 - (-3) + 10$

3. $|4 - 8| + 2^3 - \left(\frac{-16}{8}\right)$

4. $10 \div 5 - (-2)^2$

5. $-ab + \frac{c}{b}$ when $a = -1, b = 4, c = -8$

6. $\frac{3x-z}{-w}$ when $w = -1, x = 6, z = -2$

7. $-7^2 - 1 + \left(3 - \frac{-18}{2} + 3\right)$

8. $-5 - 4 + 6 \div 3 - 24 \div 8 + -2 - 6$

Score: _____