

1-1 Classify the following real numbers.

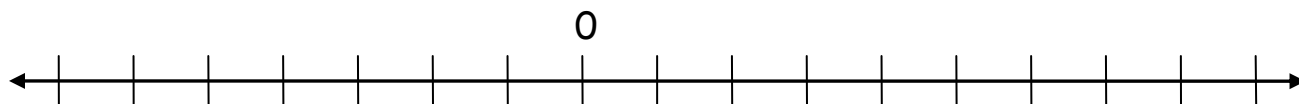
1. 9

2. -3

3. $\sqrt{19}$

1-2 Place the following numbers on the number line.

4. 2^2 , 55%, -2, 5.5, $\frac{15}{5}$, $\sqrt{25}$, $5\frac{12}{16}$



1-5 Give the absolute value of the following numbers:

7. $|-10|$

8. $|14|$

1-5, 1-6 Find the distance and the midpoint between the sets of points:

9. -2 and -5



10. -2 and 6



1-4, 1-7, 1.8 Solve the integer problems using order of operations:

11. $3 + (3^2 + 9) \div -3 - 1 =$

12. $5(\sqrt{81} - 2^3) \cdot 6 + 5 - 3 =$

13. $9(3 \div \sqrt{9}) + 2^2 =$

14. $-4(-3) + 3 \cdot 4 =$

15. $6^2 \div 9 - 8 + 21 \div 7 =$

1-9 Complete the table below:

	Decimal	Fraction	Percent	Show Work
16.	.44			
17.		$\frac{2}{5}$		
18.			81%	

1-10 Percents:

Find the whole from a percent:

19. 60% of what number is 72?

20. 20 % of a number is 3

Find the percent of a number:

21. 10% of \$52.50

22. 32% of 78

Find the percent:

23. What percent of 70 is 35?

24. \$5.00 is what percent of \$25.00?

1-11 What degree of precision or place value would you use to express the following:

27. The amount of change you get back when you give the clerk a \$20 bill for your \$13.99 CD _____

28. You got 29 out of 35 on your math quiz _____

1-12 Write the numbers below in scientific or standard notation:

29. 5,680,000

30. 0.00000018

31. 9.31×10^4

32. 1.61×10^{-7}

1-13 Solve and show all your work:

33. Kenny is riding his bike on a trail that is $3\frac{1}{2}$ miles long. He made it $\frac{3}{4}$ of the way and his tire went flat. How far had he gone before he had the flat tire?

34. Dan's Comp offers a 15% discount on all orders over \$300. Eric bought a new crank for 162.00, a backpack for \$57.59, grips for 12.29, and 2 t-shirts for 16.99 each. Did he buy enough to get the discount? If so what was the discount he received. If not, how much more would he need to buy to get the discount?

1-15

35. Write an algorithm for writing a number in scientific notation.

Mixed Review (R-2, R-3, R-4, R-6, R-7):

Find the GCF and the LCM.

36. 8 and 12

Solve the decimal problems.

37. $231.6 - 3.075 =$

38. $32.837 \div 3.5 =$

Solve the fraction problems.

$$39. 5\frac{1}{7} - \frac{3}{4} =$$

$$40. 3\frac{4}{9} \div 2 =$$

Substitute for the variables:

$$P = 10 \quad e = -2 \quad t = 4$$

$$41. \text{pet} \quad 42. E(P+T)$$

Solve for the variable:

$$43. 6x + 5 = 35 \quad 44. 5c = 43$$

$$45. x / 6 = 42 \quad 46. 5x + 20 = 30$$