

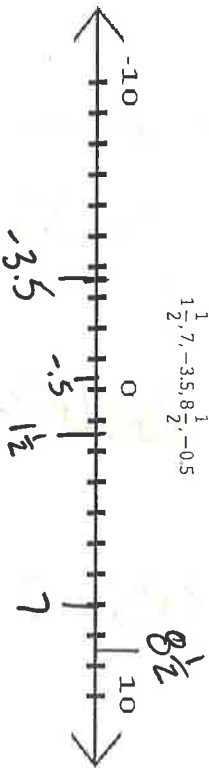
Name: Key

Date: _____

Pd: 3/4/5/6

MODULE 1 - TEST REVIEW

1) Mark and label the following numbers on the number line below:



$1\frac{1}{2}, -3.5, 8\frac{1}{2}, -0.5$

2) Fill in the blank using $<$, $>$, or $=$.

$\frac{3}{7} < 0.43$

$-3.17 < -3.11$

$\frac{94}{100} = \frac{47}{50}$

3. Place the following numbers in descending order.

$4.7, -2.3, -0.4, -5.8, 4.6$

$4.7, 4.6, -0.4, -2.3, -5.8$

4. Place the following numbers in ascending order.

$-\sqrt{7}, 1.8, -\frac{3}{2}, -\frac{1}{2}, \frac{5}{2}$

$-\sqrt{7}, -\frac{3}{2}, -\frac{1}{2}, 1.8, \frac{5}{2}$

5. The area of a square is 144 square feet. What is the side length of the square?



$x^2 = 144$

so $\sqrt{144} = x$

$x = 12 ft$

6. The height of a window is $\sqrt{29}$ feet. Estimate the height of the window to the nearest tenth of a foot.



$\sqrt{29} \approx 5.385$

Scientific Notation:
 ≈ 5.4

7. Write the following numbers in scientific notation:

a) $1,360 = 1.36 \times 10^3$

b) $485,200,000$

$= 4.852 \times 10^8$

c) 93.4

$= 9.34 \times 10^1$

8) Write the following numbers in standard form:

a) $1.23 \times 10^5 \Rightarrow 123,000 = 123,000$

b) $7.56 \times 10^{-3} \Rightarrow 0.00756 = 0.00756$

c) $2.8567 \times 10^4 \Rightarrow 28,567 = 28,567$

9) Brenda makes beaded bracelets for her friends. She used 3.76×10^3 beads last month and 4.25×10^4 beads this month. How many beads did Brenda use total in the past 2 months?

$$\begin{array}{r} 42500 \\ + 3760 \\ \hline 46260 \text{ beads} \end{array}$$

10) How many more beads did Brenda use this month than last month?

$$\begin{array}{r} 42500 \\ - 3760 \\ \hline 38740 \text{ beads} \end{array}$$

Place the following numbers in the Venn diagram. Remember, some numbers can be in more than 1 subgroup.

