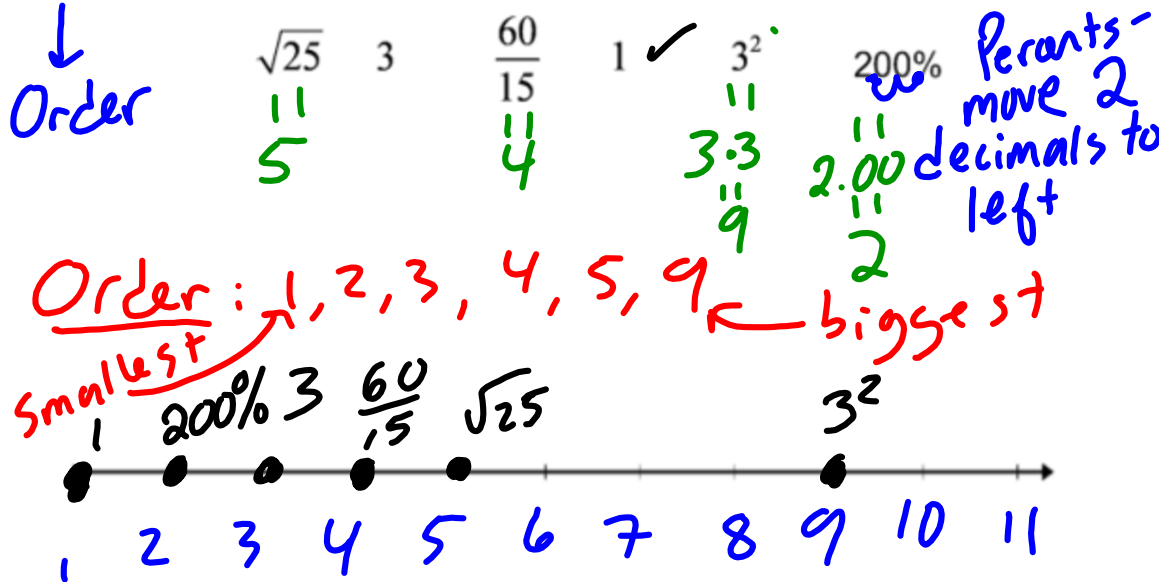


1-3 Notes: Real Numbers & the Real Number Line

Learning Objective: To graph and compare real numbers.

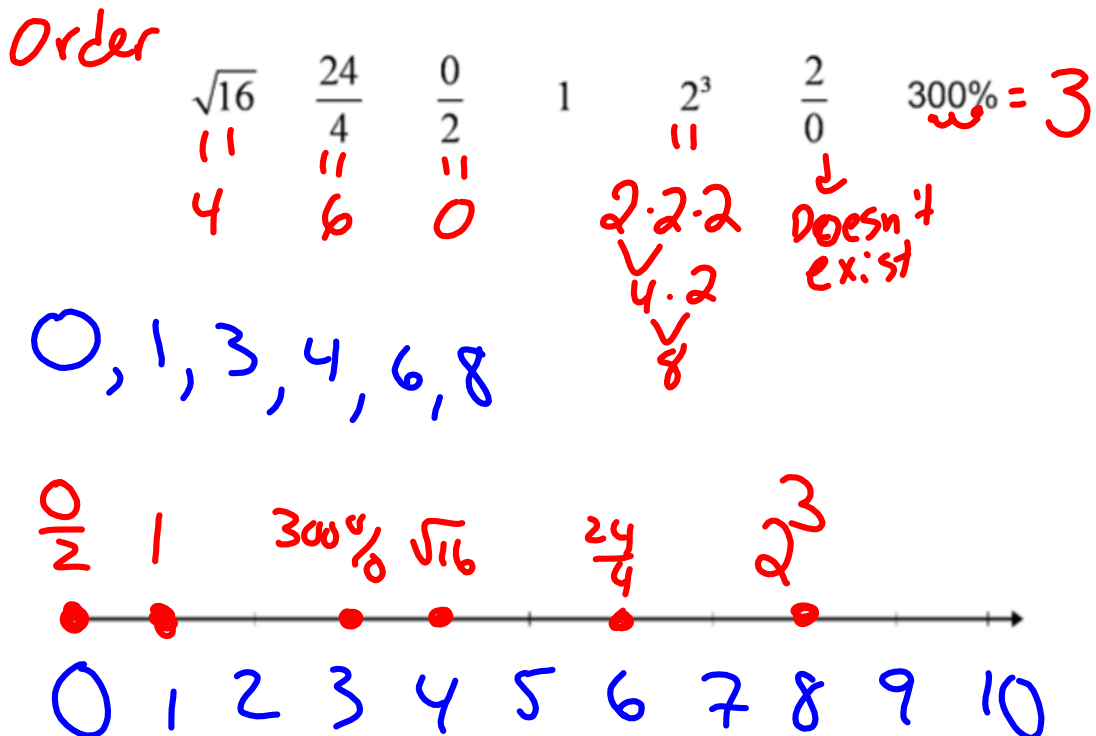
Example:

Sequence the numbers from least to greatest and accurately place on the number line.



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Sequence the numbers from least to greatest and accurately place on the number line.

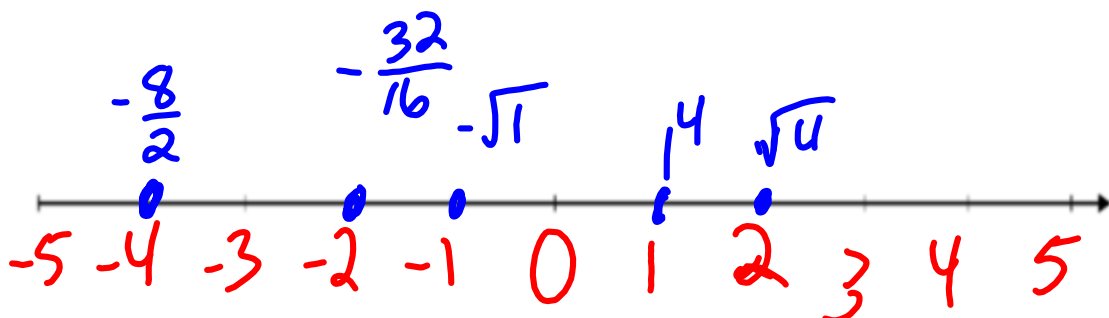


Example:

Sequence the numbers from least to greatest and accurately place on the number line

$$\begin{array}{ccccc}
 -\frac{32}{16} & -\sqrt{1} & \frac{-8}{2} & \sqrt{4} & 1^4 \\
 \text{"} & \text{"} & \text{"} & \text{"} & \text{"} \\
 -2 & -1 & -4 & 2 & 1 \cdot 1 \cdot 1 \cdot 1 = 1
 \end{array}$$

$$-4, -2, -1, 1, 2$$

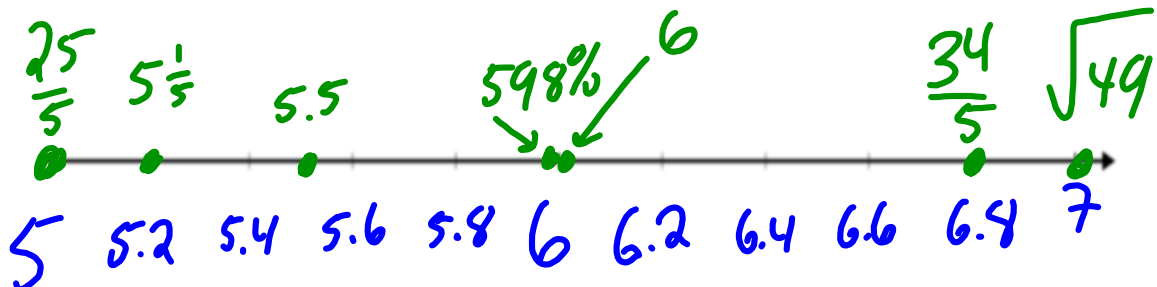


Example:

Sequence the numbers from least to greatest and accurately place on the number line.

$$\begin{array}{ccccccc}
 598\% & \frac{25}{5} & 5\frac{1}{5} & 5.5 & 6 & \sqrt{49} & \frac{34}{5} = 6\frac{4}{5} \\
 \text{5.98} & \overset{11}{5} & \overset{11}{5.2} & \overset{11}{5\frac{1}{2}} & & \overset{11}{7} & = 6.8
 \end{array}$$

$$5, 5.2, 5.5, 5.98, 6, 6.8, 7$$



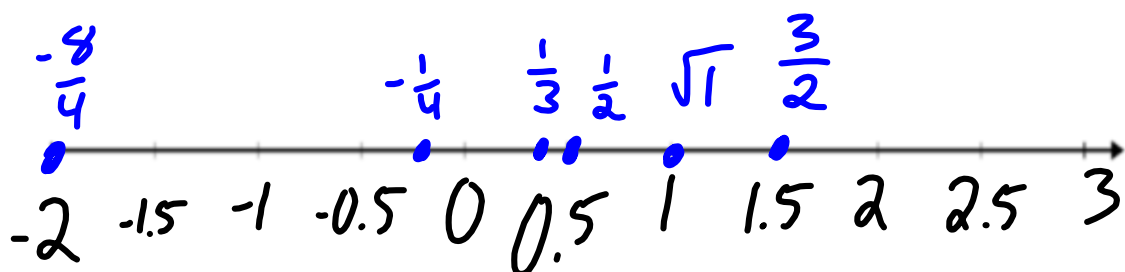
EXAMPLE:

Sequence the numbers from least to greatest and accurately place on the number line.

$$\frac{3}{2} \quad -\frac{1}{4} \quad -\frac{8}{4} \quad \frac{1}{2} \quad \frac{1}{3} \quad \sqrt{1} = 1$$

$$\begin{array}{cccccc} | & \frac{1}{2} & & & & \\ \text{"} & & & & & \\ 1.5 & & -0.25 & -2 & 0.5 & 0.33 \end{array}$$

$$-2, -0.25, 0.33, 0.5, 1, 1.5$$



Example: * Homework

Sequence the numbers below from least to greatest on the number line

provided.

$$2.4, \frac{25}{4}, 190\%, -1.6, \frac{7}{8}, 4$$



TRY:

** Homework*

Sequence the numbers from least to greatest and accurately place on the number line.

0.59	55%	0.9	5%	-0.55
0.5	1.99	-0.6	$-\frac{9}{10}$	



Example:

Sequence the numbers from least to greatest and accurately place on the number line

$$\sqrt{7} \quad \frac{18}{10} \quad \sqrt{2} \quad 1.9 \quad 193\%$$



TRY:

Sequence the numbers from least to greatest and accurately place on the number line.

$$\frac{10}{5} \quad 0.4 \quad 0.6 \quad \sqrt{2} \quad \frac{3}{4} \quad \frac{0}{4}$$



TRY:

Sequence the numbers from least to greatest and accurately place on the number line.

$$5\frac{3}{4} \quad 5\frac{1}{3} \quad \sqrt{25} \quad 6.2 \quad \sqrt{35} \quad \frac{13}{2}$$

