

Day 11: Rounding, Plotting, & Comparing Decimals

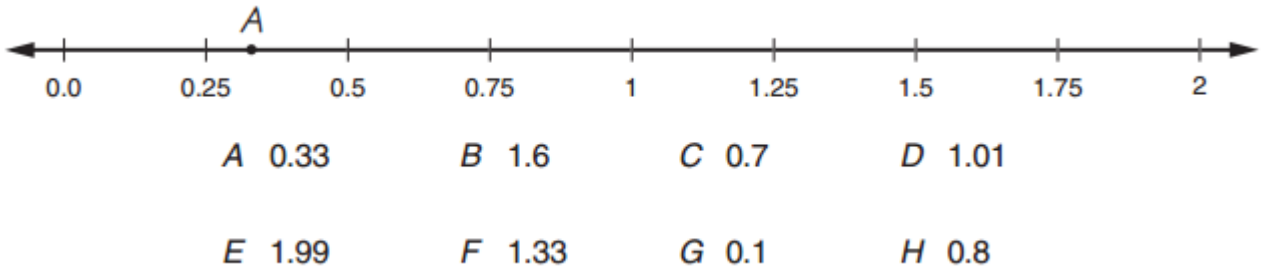
Name: _____

Practice Assignment

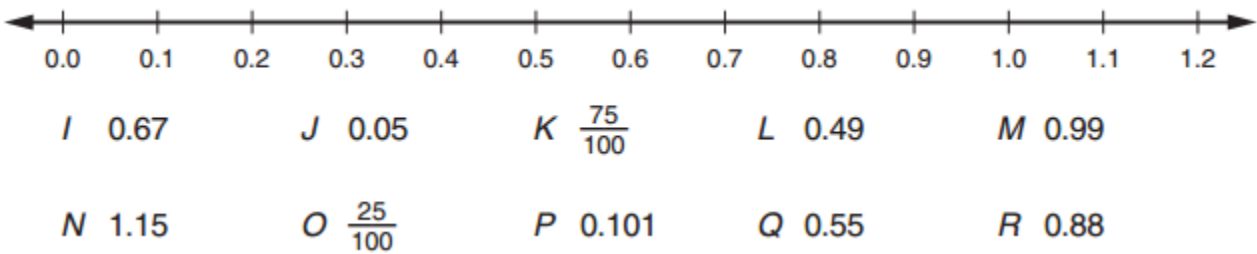
0 25 50 75 100

1. Mark the appropriate locations of the decimals and fractions on the number lines below. Rename the fractions as decimals if necessary.

a.



b.



2. Compare the following numbers using $<$, $>$, or $=$:

a. 16.45	<input type="radio"/>	16.454
b. 0.83	<input type="radio"/>	$\frac{83}{100}$
c. $\frac{205}{1000}$	<input type="radio"/>	0.205
d. 95.045	<input type="radio"/>	95.545
e. 419.10	<input type="radio"/>	419.099
f. Five ones and eight tenths	<input type="radio"/>	Fifty-eight tenths
g. Thirty-six and nine thousandths	<input type="radio"/>	Four tens
h. One hundred four and twelve hundredths	<input type="radio"/>	One hundred four and two thousandths
i. One hundred fifty-eight thousandths	<input type="radio"/>	0.58
j. 703.005	<input type="radio"/>	Seven hundred three and five hundredths

3. Order the decimals in order from least to greatest.

a. 7.35, 9.45, 7.2, 7.94, 9.04, 9.72

b. 0.553, 0.53, 0.053, 0.35, 0.55, 0.035

c. 2.13, 2.561, 2.098, 2.56, 2.375, 2.36

d. -5.6, -4.2, -5.75, -5.62, -4.02, -4.29

4. What's green on the inside, white on the outsides, and hops? Put the numbers in order from least to greatest to find out.

0.66	1	0.2	1.05	0.90	0.01	0.75	0.35	$\frac{25}{100}$	$\frac{50}{100}$	0.05	0.09	5.5
N	I	O	C	W	A	D	S	G	A	F	R	H

Write your answers in the following table. The first answer is done for you.

0.01												
A												

5. Round the following numbers to the stated place value:

a. 37.823; hundredths

b. 89.7267; hundredths

c. 724.62; ones

d. 27.93; tens

e. 298.49; tenths

f. 893.2785; hundredths

g. 2383.982; hundreds

h. 423.99; tenths

6. A decimal has two digits to the right of its decimal point. If we round to the nearest tenth, the result is 13.7.

a. What is the maximum possible value of what the original number was?

b. What is the minimum possible value of what the original number was?

7. A root beer factory produces 132,554 cases in 100 days. About how many cases does the factory produce in 1 day? Round your answer to the nearest case.