

## **Ordering Fractions, Decimals, and Percents Using Multiple Strategies**

The three strategies to order fractions, decimals, and percents being shown are:

1. converting to fractions with common denominators
2. converting to decimals
- 3.



**You Try #1:** Order — and 82% from least to greatest.



**Example #2:** Order — and 5% from least to greatest.

Looking at this exampl

**Example #3:** Order  $1\frac{3}{8}$ , 1.8, and 8% from least to greatest. Justify the strategy used as well as the answer.

I chose the number line as my strategy because I realized I could place each of those numbers on it in order without having to convert or use any computation. All of the numbers fall between 0 and 2 with 1 being the midpoint. 8% is the only term less than one so that was placed first. Then I found the midpoint between 1 and 2, which is  $1\frac{1}{2}$  or 1.5.

One and eight tenths (1.8) is greater than 1.5 so I placed it between 1.5 and 2. Because — is less than —

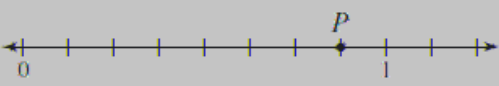
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# Warm-Up

CST/CAHSEE:

Review:

18. Write fraction  $\frac{3}{8}$  on the number line.



A number line is shown with arrows at both ends. The line is divided into 8 equal segments by tick marks. The first tick mark on the left is labeled '0' and the last tick mark on the right is labeled '1'. A point labeled 'P' is marked with a blue dot at the third tick mark from 0.

A

$\frac{1}{8}$

B

$\frac{1}{5}$

C

$\frac{3}{4}$

D

$\frac{7}{8}$

Approximately place the other fractions where they would fall on the number line.