

Benchmark Fractions/Decimals: What's it Closest To?

Place each of the following fractions in the appropriate column in the chart.

Is this fraction close to 0? Close to $\frac{1}{2}$? Close to 1?

$\frac{1}{3}$ $\frac{3}{8}$ $\frac{7}{9}$ $\frac{5}{6}$ $\frac{11}{12}$ $\frac{2}{10}$ $\frac{9}{10}$ $\frac{1}{8}$ $\frac{2}{6}$ $\frac{6}{11}$ $\frac{1}{4}$ $\frac{3}{4}$ $\frac{4}{9}$ $\frac{3}{7}$ $\frac{3}{4}$ $\frac{3}{6}$

Fractions/Decimals Closest to 0	Fractions/Decimals Closest to $\frac{1}{2}$	Fractions/Decimals Closest to 1

Now place these decimals in the appropriate column in the chart:

0.05 0.75 0.853 0.3 0.64 0.25 0.5 0.001 0.7 0.98

Discuss with a partner:

Why did you place $\frac{1}{3}$ in the column that you did?

Why did you place $\frac{7}{9}$ in the column that you did?

Why did you place $\frac{6}{11}$ in the column that you did?

Do you see any patterns among and of the fractions or decimals in each column?

Where there any fractions or decimals that you could not place in a column? Which ones and why?

Adding and Subtracting Decimals Using and Open Number Line

Adding:

$0.2 + 0.3 =$



$0.3 + 0.55 =$



$0.26 + 0.37 =$



Subtracting:

$0.9 - 0.3 =$



$0.8 - 0.45 =$



$0.94 - 0.57 =$

