


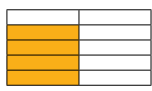





1)

Decimal	Fraction (With a Denominator of 10 or 100)	Simplified Fraction (If the Fraction Can Be Simplified)
0.25	$\frac{25}{100}$	$\frac{1}{4}$
	$\frac{5}{10}$	$\frac{1}{2}$
0.8	$\frac{8}{10}$	
0.09	$\frac{9}{100}$	
0.4		$\frac{2}{5}$
0.125	$\frac{125}{1000}$	

2) a) Zach:  $\frac{1}{10}$  Jason:  $\frac{2}{5}$  Sadie:  $\frac{7}{20}$

b)  $\frac{15}{100}$  (This is equivalent to 0.15 and is  $\frac{3}{20}$  in its simplest form.)

3)

$\frac{30}{100} = \frac{3}{10} = 0.3$	$\frac{25}{100} = \frac{1}{4} = 0.25$
$\frac{80}{100} = \frac{4}{5} = 0.8$	$\frac{5}{10} = \frac{1}{2} = 0.5$
$\frac{75}{100} = \frac{3}{4} = 0.75$	$\frac{4}{10} = \frac{2}{5} = 0.4$

1) a) This is false as 0.1 is equivalent to 1 tenth ( $\frac{1}{10}$ ).

b) This is false. If we simplified  $\frac{50}{10}$ , it would be  $\frac{5}{1}$  which is equivalent to 5 ones. 0.5 is equivalent to 5 tenths.

c) This is false as 0.33 is equivalent to  $\frac{33}{100}$  (or  $\frac{1}{3}$ ).  $\frac{3}{10} = 0.3$

2) a) Felix's method won't work as, although he has correctly ordered the denominators of the fractions in order of size, from smallest to greatest, he has not taken into account the size of the numerators.

b)  $\frac{2}{5} = 0.4$   $\frac{1}{8} = 0.125$   $\frac{23}{100} = 0.23$   $\frac{55}{1000} = 0.055$

The correct order would be as follows: 0.055, 0.1, 0.125, 0.23, 0.4, 0.5.





1)  $\square = 8$     $\triangle = 7$     $\pentagon = 5$

Answer:  $0.875 = \frac{7}{8}$

2) a)

$$\begin{array}{|c|} \hline 0 \\ \hline \end{array} \begin{array}{|c|} \hline . \\ \hline \end{array} \begin{array}{|c|} \hline 1 \\ \hline \end{array} \begin{array}{|c|} \hline 2 \\ \hline \end{array} \begin{array}{|c|} \hline 5 \\ \hline \end{array} = \begin{array}{|c|} \hline 1 \\ \hline 8 \\ \hline \end{array}$$

b) Here are 4 possible answers:

$$\begin{array}{|c|} \hline 0 \\ \hline \end{array} \begin{array}{|c|} \hline . \\ \hline \end{array} \begin{array}{|c|} \hline 8 \\ \hline \end{array} \begin{array}{|c|} \hline 7 \\ \hline \end{array} \begin{array}{|c|} \hline 5 \\ \hline \end{array} = \begin{array}{|c|} \hline 7 \\ \hline 8 \\ \hline \end{array}$$

$$\begin{array}{|c|} \hline 0 \\ \hline \end{array} \begin{array}{|c|} \hline . \\ \hline \end{array} \begin{array}{|c|} \hline 2 \\ \hline \end{array} \begin{array}{|c|} \hline 5 \\ \hline \end{array} \begin{array}{|c|} \hline 0 \\ \hline \end{array} = \begin{array}{|c|} \hline 2 \\ \hline 8 \\ \hline \end{array}$$

$$\begin{array}{|c|} \hline 0 \\ \hline \end{array} \begin{array}{|c|} \hline . \\ \hline \end{array} \begin{array}{|c|} \hline 2 \\ \hline \end{array} \begin{array}{|c|} \hline 0 \\ \hline \end{array} \begin{array}{|c|} \hline 0 \\ \hline \end{array} = \begin{array}{|c|} \hline 1 \\ \hline 5 \\ \hline \end{array}$$

$$\begin{array}{|c|} \hline 0 \\ \hline \end{array} \begin{array}{|c|} \hline . \\ \hline \end{array} \begin{array}{|c|} \hline 5 \\ \hline \end{array} \begin{array}{|c|} \hline 0 \\ \hline \end{array} \begin{array}{|c|} \hline 0 \\ \hline \end{array} = \begin{array}{|c|} \hline 1 \\ \hline 2 \\ \hline \end{array}$$