

- 1) Copy and complete the table with the correct equivalences between the fractions and decimals that are shown.



Decimal	Fraction (With a Denominator of 10, 100 or 1000)	Simplified Fraction (If the Fraction Can Be Simplified)
0.25	$\frac{25}{100}$	$\frac{1}{4}$
	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	
<input type="text"/>	<input type="text"/>	
<input type="text"/>	<input type="text"/>	
<input type="text"/>	<input type="text"/>	<input type="text"/>
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- 2) A run is taking place at the local park to raise money for charity. Three friends decide to split the running between them. Zach runs 0.1 of the distance around the park while Jason runs 0.4 of the distance and Sadie runs 0.35 of the distance.



- a) What fraction of the run did each friend complete?
Give each answer in its simplest form.
- b) What fraction is left to run?

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.)

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	$\frac{125}{1000}$	

- 3) Insert the missing digits so that these statements show the correct fraction to decimal equivalents.

$\frac{30}{100} = \frac{\quad}{10} = 0.3$	$\frac{\quad}{100} = \frac{1}{4} = 0.\quad$
$\frac{80}{100} = \frac{4}{5} = 0.\quad$	$\frac{5}{10} = \frac{1}{2} = 0.\quad$
$\frac{\quad}{100} = \frac{3}{4} = 0.75$	$\frac{4}{5} = \frac{\quad}{5} = 0.4$

3)

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

There is a mistake here, it should say three quarters.