

Worksheet From Decimals to Fractions

Name: _____

- 1) Convert the following decimals into fractions. Don't forget to simplify the fraction!

Decimals	Fractions	Simplified Fraction
0.6	$\frac{6}{10}$	$\frac{3}{5}$
0.8		
0.2		
0.3		
0.7		

- 2) James says, "I don't understand why 0.3 is $\frac{3}{10}$ and 0.03 is $\frac{3}{100}$. If both decimals have the number 3, why are their fractions different?"

Explain to James why you use 10 as the denominator for the case of 0.3 but 100 for the case of 0.03. Use words and drawings.

Drawings:

- 3) Now, convert these decimals into fractions. Don't forget to simplify the fraction!

Decimals	Fractions	Simplified Fraction
1.25	$1 \frac{25}{100}$	$1 \frac{1}{4}$
25.60		
6.12		
14.02		
3.008		