Converting Decimals to Fractions and Percentages

Name _____ **Date** _____

Complete each conversion. Give fractions in their simplest form.

A Decimals to fractions

Write each fraction in its simplest form.

1. **0.45** = _____
2. **0.7** = _____
3. **0.125** = _____
4. **1.6** = _____
5. **0.035** = _____
6. **0.84** = _____

B Decimals to percentages

Write a percentage for each decimal.

7. **0.32** = _____ %
8. **0.8** = _____ %
9. **1.07** = _____ %
10. **0.045** = _____ %
11. **2.5** = _____ %
12. **0.625** = _____ %

C Complete the equivalence table

Fill each blank.

Decimal	Fraction	Percentage
0.6		
	3/25	
		72%
1.4		
	7/8	
		2.5%

D Apply your conversions

A bottle is 0.35 full. Write this amount as a fraction in its simplest form and as a percentage.

Fraction _____ **Percentage** _____

Explain how you know your fraction and percentage are equivalent.

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