

Fractions, Percents, and Decimals

1. Fill in the charts.

Fraction	Decimal	Percent
	0.5	
1/3		
		25%
1/5		
	0.1	

Fraction	Decimal	Percent
7/10		
	0.14	
9/100		
3/5		
		75%

Fraction	Decimal	Percent
4/25		
	0.28	
17/20		
	1.02	
		67%

2. Write an expression using decimals and multiplication, **and** percent and multiplication. Solve.

<p>a. One-tenth of 75</p> <p>$0.1 \times 75 = 7.5$</p> <p>$10\% \times 75 = 7.5$</p>	<p>b. one-third of 57 kg</p>	<p>c. three-fourths of \$49.90</p>
<p>d. 37 hundredths of 90 mi</p>	<p>e. four-fifths of 1,800 children</p>	<p>f. 7 tenths of 540 km</p>

3. Tenth of a percent? Change to decimals.

- a. 5.1% b. 27.8% c. 93.28% d. 5.04%
- e. 0.1% f. 4.042% g. 83.382% h. 0.012%

4. Change to percents.

- a. 0.001 b. 0.009 c. 0.0009 d. 0.548
- e. 0.3091 f. 0.39201 g. 0.00032 h. 1.055

5. Change the fractions to decimals and to percents. Give your answer with tenth of a percent. Use a simple calculator to divide.

- a. $\frac{8}{23}$ b. $\frac{11}{15}$ c. $\frac{34}{101}$ d. $\frac{9}{283}$ e. $\frac{192}{941}$

6. Compare without calculations. Think! Converting will help!

- a. $\frac{17}{102}$ 0.17 b. $\frac{1}{7}$ 7% c. 10% $\frac{1}{11}$ d. 21% $\frac{19}{1291}$
- e. $\frac{47}{39}$ 82% f. $\frac{3}{8}$ 60% g. 10% $\frac{15}{155}$ h. 71% $\frac{6}{8}$