Percent information – may not use on exams!

Appendix A.2 Percent, Decimal, and Fraction Equivalents

Percent	1%	5%	10%	12.5% or $12\frac{1}{2}\%$	$16.\overline{6}\%$ or $16\frac{2}{3}\%$	20%	25%	30%	$33.\overline{3}\%$ or $33\frac{1}{3}\%$	37.5% or $37\frac{1}{2}\%$	40%
Decimal	0.01	0.05	0.1	0.125	$0.1\overline{6}$	0.2	0.25	0.3	$0.\overline{3}$	0.375	0.4
Fraction	$\frac{1}{100}$	$\frac{1}{20}$	$\frac{1}{10}$	$\frac{1}{8}$	$\frac{1}{6}$	$\frac{1}{5}$	$\frac{1}{4}$	$\frac{3}{10}$	$\frac{1}{3}$	$\frac{3}{8}$	$\frac{2}{5}$

Percent	50%	60%	62.5% or $62\frac{1}{2}\%$	$66.\overline{6}\%$ or $66\frac{2}{3}\%$	70%	75%	80%	$83.\overline{3}\%$ or $83\frac{1}{3}\%$	87.5% or $87\frac{1}{2}\%$	90%	100%
Decimal	0.5	0.6	0.625	$0.\overline{6}$	0.7	0.75	0.8	$0.8\overline{3}$	0.875	0.9	1
Fraction	$\frac{1}{2}$	$\frac{3}{5}$	$\frac{5}{8}$	$\frac{2}{3}$	$\frac{7}{10}$	$\frac{3}{4}$	$\frac{4}{5}$	$\frac{5}{6}$	$\frac{7}{8}$	$\frac{9}{10}$	1

Appendix A.3 Finding Common Percents of a Number

Common Percent Equivalences	Shortcut for Finding Percent	Example
$1\% = 0.01 = \frac{1}{100}$	To find 1% of a number, divide the number by 100, which moves the decimal point two places to the left.	1% of 375 is 375 ÷ 100 or 3.75.
$10\% = 0.1 = \frac{1}{10}$	To find 10% of a number, divide the number by 10, which moves the decimal point one place to the left.	10% of 82.5 is 82.5 ÷ 10 or 8.25.
$25\% = \frac{1}{4}$	To find 25% of a number, find $\frac{1}{4}$ of the number, or divide the number by 4.	25% of 84 is 84 ÷ 4 or 21.
$50\% = \frac{1}{2}$	To find 50% of a number, find $\frac{1}{2}$ of the number, or divide the number by 2.	50% of 3600 is 3600 ÷ 2 or 1800.
$100\% = 1$	100% of a number is the number.	100% of 67.8 is 67.8.
$200\% = 2$	To find 200% of a number, multiply the number by 2.	200% of 48 is $48 \cdot 2$ or 96.