

# Chapter 2

## Fraction, Decimal and Percentage

**Table 2-1:** Common percentage and their respective decimal and fraction equivalents

Percentage	Decimal	Fraction
1 %	$\frac{1}{100}$	0.01
5 %	$\frac{5}{100} = \frac{1}{20}$	0.05
10 %	$\frac{10}{100} = \frac{1}{10}$	0.1
25 %	$\frac{25}{100} = \frac{1}{4}$	0.25
40 %	$\frac{40}{100} = \frac{2}{5}$	0.4
50 %	$\frac{50}{100} = \frac{1}{2}$	0.5

Percentage	Decimal	Fraction
60 %	$\frac{60}{100} = \frac{3}{5}$	0.6
70 %	$\frac{70}{100} = \frac{7}{10}$	0.7
75 %	$\frac{75}{100} = \frac{3}{4}$	0.75
80 %	$\frac{80}{100} = \frac{4}{5}$	0.8
90 %	$\frac{90}{100} = \frac{9}{10}$	0.9
100 %	$\frac{100}{100} = 1$	1

**Table 2-2: Illustrating ratio and proportion**

Sample	Ratio	Fraction	Percentage	Share (or Amount)
$s_1$	$r_1$	$\frac{r_1}{\sum_i^n r_i} = \frac{r_1}{r_1 + r_2 + \dots + r_n}$	$\frac{r_1}{r_1 + r_2 + \dots + r_n} \times 100 \%$	$\frac{r_1}{\sum_i^n r_i} \times Q = \frac{r_1}{r_1 + r_2 + \dots + r_n} \times Q$
$s_2$	$r_2$	$\frac{r_2}{\sum_i^n r_i} = \frac{r_2}{r_1 + r_2 + \dots + r_n}$	$\frac{r_2}{r_1 + r_2 + \dots + r_n} \times 100 \%$	$\frac{r_2}{\sum_i^n r_i} \times Q = \frac{r_2}{r_1 + r_2 + \dots + r_n} \times Q$
$s_3$	$r_3$	$\frac{r_3}{\sum_i^n r_i} = \frac{r_3}{r_1 + r_2 + \dots + r_n}$	$\frac{r_3}{r_1 + r_2 + \dots + r_n} \times 100 \%$	$\frac{r_3}{\sum_i^n r_i} \times Q = \frac{r_3}{r_1 + r_2 + \dots + r_n} \times Q$
$s_n$	$r_n$	$\frac{r_n}{\sum_i^n r_i} = \frac{r_n}{r_1 + r_2 + \dots + r_n}$	$\frac{r_n}{r_1 + r_2 + \dots + r_n} \times 100 \%$	$\frac{r_n}{\sum_i^n r_i} \times Q = \frac{r_n}{r_1 + r_2 + \dots + r_n} \times Q$



# Thank You