

Note: Only turn back to page number if you have difficulty

	Page
Q1. Change the following percentages to fractions in their simplest form: (a) 15% (b) 28% (c) 56% (d) 1% (e) 48% (f) 4% (g) 37% (h) 96% (i) 35% (j) 67% (k) 75% (l) 84%	36
Q2. Change the following fractions to percentages: (a) $\frac{44}{400}$ (b) $\frac{3}{100}$ (c) $\frac{32}{50}$ (d) $\frac{54}{200}$ (e) $\frac{1}{5}$ (f) $\frac{69}{300}$ (g) $\frac{3}{25}$ (h) $\frac{7}{10}$ (i) $\frac{9}{20}$ (j) $\frac{4}{5}$ (k) $\frac{1}{2}$ (l) $\frac{1}{4}$	36
Q3. Change the following percentages to decimals: (a) 1% (b) 33% (c) 50% (d) 5% (e) 70% (f) 97% (g) 43% (h) 25% (i) 20% (j) 54% (k) 7% (l) 16%	36
Q4. Change the following decimals to percentages: (a) 0.3 (b) 0.27 (c) 0.06 (d) 0.865 (e) 0.01 (f) 0.68 (g) 0.43 (h) 0.39 (i) 0.17 (j) 0.55 (k) 0.125 (l) 0.2	36
Q5. Find: (a) 5% of 80 L (b) 20% of \$375 (c) 55% of 1100 (d) 93% of \$300 (e) 3% of 1200 mL (f) 90% of 560 km (g) 45% of 600 tonne (h) 15% of 900 kg (i) 72% of 700 m	37
Q6. Express the first quantity as a percentage of the second quantity: (a) 50 g, 600 g (b) \$80, \$320 (c) 93 kg, 465 kg (d) 45 seconds, 1 minute (e) 51 mL, 400 mL (f) \$15, \$300 (g) 18 km, 80 km (h) 5 m, 1 km (i) 27 L, 500 L	38
Q7. Increase the following amounts by 20%: (a) \$65 (b) \$320 (c) \$5500 (d) \$8200	39
Q8. Decrease the following amounts by 30%: (a) \$75 (b) \$140 (c) \$650 (d) \$960	40

Level 1 — Percentages (ANSWERS)

- Q1. (a) $\frac{3}{20}$ (b) $\frac{7}{25}$ (c) $\frac{14}{25}$ (d) $\frac{1}{100}$ (e) $\frac{12}{25}$ (f) $\frac{1}{25}$
 (g) $\frac{37}{100}$ (h) $\frac{24}{25}$ (i) $\frac{7}{20}$ (j) $\frac{67}{100}$ (k) $\frac{3}{4}$ (l) $\frac{21}{25}$
- Q2. (a) 11% (b) 3% (c) 64% (d) 27% (e) 20% (f) 23%
 (g) 12% (h) 70% (i) 45% (j) 80% (k) 50% (l) 25%
- Q3. (a) 0.01 (b) 0.33 (c) 0.5 (d) 0.05 (e) 0.7 (f) 0.97
 (g) 0.43 (h) 0.25 (i) 0.2 (j) 0.54 (k) 0.07 (l) 0.16
- Q4. (a) 30% (b) 27% (c) 6% (d) $86\frac{1}{2}\%$ (e) 1% (f) 68% (g) 43%
 (h) 39% (i) 17% (j) 55% (k) $12\frac{1}{2}\%$ (l) 20%
- Q5. (a) 4L (b) \$75 (c) 605 (d) \$279 (e) 36 mL
 (f) 504 km (g) 270 t (h) 135 kg (i) 504 m
- Q6. (a) $8\frac{1}{3}\%$ (b) 25% (c) 20% (d) 75% (e) $12\frac{3}{4}\%$
 (f) 5% (g) $22\frac{1}{2}\%$ (h) $\frac{1}{2}\%$ (i) $5\frac{2}{5}\%$
- Q7. (a) \$78 (b) \$384 (c) \$6600 (d) \$9840
- Q8. (a) \$52.50 (b) \$98 (c) \$455 (d) \$672