

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

	Page
<p>Q1. Change the following percentages to whole or fractional numbers:</p> <p>(a) 36%            (b) 8%            (c) 145%            (d) 500%</p> <p>(e) 350%            (f) 120%            (g) 92%            (h) 425%</p>	36
<p>Q2. Change the following to percentages:</p> <p>(a) 0.46            (b) 1.38            (c) 9.00            (d) 3.08</p> <p>(e) 2.5            (f) 3.05            (g) 0.92            (h) 5.9</p> <p>(i) <math>\frac{72}{100}</math>            (j) <math>1\frac{3}{5}</math>            (k) <math>\frac{520}{100}</math>            (l) <math>2\frac{1}{2}</math></p> <p>(m) <math>\frac{160}{100}</math>            (n) <math>3\frac{9}{20}</math>            (o) <math>2\frac{3}{4}</math>            (p) <math>\frac{106}{100}</math></p>	36 & 37
<p>Q3. Change the following percentages to decimals:</p> <p>(a) 100%            (b) 2%            (c) 400%            (d) 175%</p> <p>(e) 250%            (f) 906%            (g) 245%            (h) 19%</p>	36
<p>Q4. Find: (a) 90% of 3000 kg    (b) 125% of \$60    (c) 220% of 250 m</p> <p>(d), 105% of 1600 mL    (e) 560% of 9 L    (f) 100% of 38 kg</p>	37
<p>Q5. Find the first quantity as a percentage of the second quantity:</p> <p>(a) 8 cm, 2 m            (b) 36 m, 1.8 km            (c) 65 m, 1.3 km</p> <p>(d) 96 kg, 24 kg            (e) 360 cm, 240 cm            (f) 450 mL, 200 mL</p> <p>(g) 65 mm, 25 cm            (h) 450 kg, 2 tonne</p>	38
<p>Q6. Increase the following amounts by the percentage indicated:</p> <p>(a) \$20 by 10%            (b) 50 kg by 20%            (c) 1 L by 45%</p> <p>(d) 30 km by 30%            (e) 160 L by 80%            (f) \$56 by 100%</p> <p>(g) 4 L by 65%            (h) 90 cm by 5%            (i) 1500 mL by 1%</p>	39
<p>Q7. Decrease the following amounts by the percentage indicated:</p> <p>(a) 40 tonne by 15%            (b) \$265 by 25%            (c) 4 L by 70%</p> <p>(d) 5 km by 5%            (e) 80 cm by 2%            (f) \$950 by 45%</p> <p>(g) 65 L by 12%            (h) \$45.50 by 94%            (i) 55 cm by 60%</p>	40
<p>Q8. Find the discounted price of the items below:</p> <p>(a) \$56, discounted 20%            (b) \$336, discounted 5%</p> <p>(c) \$560, discounted 65%            (d) \$25, discounted 1%</p> <p>(e) \$32, discounted 13%            (f) \$148, discounted 8%</p>	41
<p>Q9. Find the size of a quantity if:</p> <p>(a) 15% is \$36            (b) 8% is 57 mL            (c) 92% is 3.2 L</p> <p>(d) 62% is 4.3 km            (e) 46% is 65 mm            (f) 2% is \$150</p>	45

## Level 2 — Percentages (ANSWERS)

- Q1. (a)  $\frac{9}{25}$  (b)  $\frac{2}{25}$  (c)  $1\frac{9}{20}$  (d) 5  
(e)  $3\frac{1}{2}$  (f)  $1\frac{1}{5}$  (g)  $\frac{23}{25}$  (h)  $4\frac{1}{4}$
- Q2. (a) 46% (b) 138% (c) 900% (d) 308% (e) 250% (f) 305%  
(g) 92% (h) 590% (i) 72% (j) 160% (k) 520% (l) 250%  
(m) 160% (n) 345% (o) 275% (p) 106%
- Q3. (a) 1 (b) 2 (c) 4 (d) 1.75 (e) 2.5 (f) 9.06 (g) 2.45 (h) 0.19
- Q4. (a) 2700 kg (b) \$75 (c) 550 m (d) 1680 mL (e) 50.4 L (f) 38 kg
- Q5. (a) 4% (b) 2% (c) 5% (d) 400%  
(e) 150% (f) 225% (g) 26% (h)  $22\frac{1}{2}\%$
- Q6. (a) \$22 (b) 60 kg (c) 1.45 L (d) 39 km (e) 288 L  
(f) \$112 (g) 6.6 L (h) 94.5 cm (i) 1515 mL
- Q7. (a) 34 t (b) \$198.75 (c) 1.2 L (d) 4.75 km (e) 78.4 cm  
(f) \$522.50 (g) 57.2 L (h) \$2.73 (i) 22 cm
- Q8. (a) \$44.80 (b) \$319.20 (c) \$196 (d) \$24.75 (e) \$27.84 (f) \$136.16
- Q9. (a) \$240 (b) 712.5 mL (c) 3.5 L (d) 6.9 km (e) 141.3 mm (f) \$7500