

**62**

- 1 Lorry 12096 mm, car 4125 mm, bus 9703 mm
- 2 (a) 1842 m (b) 638 ml (c) 7001 g (d) 5287 kg  
 (e) 3.474 km (f) 0.369 m (g) 2.05 l (h) 6.509 kg
- 3 (a) engine oil: 2.8 l screen wash: 3.975 l  
 (b) engine oil: 1.8 l screen wash: 3.125 l
- 4 (a) 0.1 (b) 0.9 (c) 0.5 (d) 0.2  
 (e) 0.25 (f) 0.75 (g) 0.01 (h) 0.03  
 (i) 0.75 (j) 0.001 (k) 0.467 (l) 0.074
- 5 (a) 0.125 (b) 0.275 (c) 0.1875 (d) 0.333....  
 (e) 0.111... (f) 0.444....
- 6 (a)  $\frac{3}{8} = 0.375$ ,  $\frac{2}{5} = 0.4$ ;  $\frac{2}{5}$  is larger  
 (b)  $\frac{9}{10} = 0.9$ ,  $\frac{8}{9} = 0.888...$ ;  $\frac{9}{10}$  is larger  
 (c)  $\frac{2}{7} = 0.285...$ ,  $\frac{1}{3} = 0.333...$ ;  $\frac{1}{3}$  is larger

7  $\frac{5}{8}$ ,  $\frac{13}{20}$ ,  $\frac{2}{3}$ ,  $\frac{27}{40}$ **63**

- 1 (a)  $\frac{15}{100}$ , 15% (b)  $\frac{96}{100}$ , 96% (c)  $\frac{10}{50}$  (or  $\frac{1}{5}$ ), 20% (d)  $\frac{7}{10}$ , 70%  
 (e)  $\frac{3}{6}$  (or  $\frac{1}{2}$ ), 50% (f)  $\frac{16}{20}$ , 80% (g)  $\frac{2}{5}$ , 40% (h)  $\frac{3}{4}$ , 75%

**64**

- 1 (a)  $\frac{31}{100}$ , 31% (b)  $\frac{30}{60}$  (or  $\frac{1}{2}$ ), 50% (c)  $\frac{20}{200}$  (or  $\frac{1}{10}$ ), 10%  
 (d)  $\frac{100}{500}$  (or  $\frac{1}{5}$ ), 20% (e)  $\frac{7}{100}$ , 7% (f)  $\frac{50}{1000}$  (or  $\frac{1}{20}$ ), 5%

- 2 (a) 5% (b) 40% (c) 20%
- 3 (a) 3 (b) 20 (c) 250  
 (d) 28 (e) 27 (f) 28  
 (g) 16 (h) 120 (i) 60

4 Quench 480 ml, Koolora 450 ml, Sunfresh 490 ml

5 25% is soil

6 40 kg fertiliser  
160 kg compost  
100 kg sand**65**

- 1 (a) 10% (b) 20% (c) 75%  
 (d) 25% (e) 20% (f) 50%  
 (g) 40% (h) 5% (i) 34%
- 2 (a) 4 (b) 250 m  
 (c) £75 (d) £1.50  
 (e) 1.2 m (f) 150 stamps  
 (g) 3.5 kg (h) 10 l

3 (a) 4 (b) 9 (c) 26  
(d) 200 (e) 3 (f) 110**66**

- 1 (a) 15% (b) 30% (c) 91% (d) 35% (e) 6% (f) 18%
- 2 (a) 0.43,  $\frac{43}{100}$  (b) 32%, 0.32 (c) 70%,  $\frac{7}{10}$   
 (d) 60% or 0.6 (e) 0.08 or  $\frac{8}{100}$  (f) 12% or  $\frac{12}{100}$
- 3 (a) 0.65 (b) 27%

BB+MM N4M6 Answers