

Unit 20.1

1. a) 50% b) 100% c) $66\frac{1}{3}\%$ d) 65% e) 10% f) 25%
g) 25% h) 20% i) 40% j) 20% k) 10% l) 20%
2. 33.33% or about 33% 3. 75% 4. 25% 5. about 78%
6. 25% 7. 0% 8. 40% 9. d

Unit 20.2

1. a) \$7 b) \$6 c) 8 d) \$25 e) 15 f) 9
2. a) 33 items b) 48 packets c) 45 people d) \$60 3. 126 4. 33
5. \$220 6. \$300 7. 600 8. \$136.5 9. b

Unit 20.3

1. a) $p=\$0.20$ b) $l=9$ c) $p=\$20$ d) $l=\$0.55$ e) $p=\$50$ f) $p=\$101$
g) $p=\$0.40$ h) $p=\$8.1$ i) $l=\$5.45$ j) $l=\$89$ k) $l=\$9.95$ l) $p=\$2.5$
m) $p=\$23$ n) $p=\$2.22$ 2. $p=\$0.08$ 3. $p=\$0.75$ 4. $l=\$55$ 5. b
6. \$1.59 7. $p=50\text{¢}$

Unit 20.4

1. a) \$26.62 b) \$53.46 c) \$37.85 d) \$43.56 2. \$382.5
3. a) \$282.75 b) \$97.76 c) \$136.80 d) \$34.30 e) \$210.60
f) about \$982 4. 6% 5. b 6. \$230 7. \$137.40
8. a 9. about \$450

Unit 20.5

1. a) \$256.5 b) \$69.38 c) \$2,280 d) \$514.5 2. \$1,392 3. 400
4. a) \$892.8 b) \$2,485 c) \$2,025 d) \$5,726 e) \$7,300 f) \$2312.40
5. \$2476.80 6. \$3217.50 7. \$40,800 8. \$2,626

Unit 20.6

1. \$154; not reasonable 2. \$59.5; reasonable 3. reasonable
5. yes 6. yes 7. 20 8. \$118.8 9. \$207

Unit 20.7

1. a) 48% b) 60% c) 1% d) 5%
2. 5%
3. a) \$4.22 b) 7.5¢
4. \$1,350
5. \$399
6. a) $p=\$100.59$ b) $l=\$16.73$
7. a) about \$888 b) about \$757.40
8. $l=\$13.05$
9. \$1920.80
10. a) \$22,464; \$45,864 b) \$69,300; \$114,300
11. \$62,100
12. 312
13. first condition