

Practice Book *UNIT 6 Arithmetic:*
Multiplication of Decimals

Answers

6.1 Multiplication of Whole Numbers

1. (a) 6 (b) 35 (c) 18 (d) 21 (e) 20 (f) 18 (g) 40
(h) 36 (i) 36 (j) 56 (k) 72 (l) 63 (m) 42 (n) 81
(o) 48
2. (a) True (b) False (c) False (d) True
3. (a) £20 (b) 6 months
4. 18 bottles
5. £12
6. 42 tiles
7. 72 packets
8. 24 cars
9. 25 cars
10. 63 windows

6.2 Long Multiplication

1. (a) 126 (b) 280 (c) 132 (d) 387 (e) 744 (f) 480 (g) 1848 (h) 912
(i) 1116 (j) 2666 (k) 7224 (l) 35 958 (m) 35 328 (n) 161 504 (o) 35 568
2. (a) 1554 (b) 5022 (c) 1302 (d) 1161 (e) 2378
(f) 1748 (g) 2109 (h) 1421 (i) 924
3. (a) 180 (b) 672 (c) 3738 (d) 2565 (e) 5642 (f) 47 936

Answers

6.3 Multiplying with Decimals

1. (a) 2.4 (b) 3.5 (c) 7.8 (d) 10.8 (e) 9.0 (f) 63.2
(g) 6.72 (h) 40.32 (i) 17.64 (j) 16.56 (k) 7.44
(l) 109.5 (m) 206.8 (n) 440.2 (o) 392.2
2. (a) 60 (b) 7 (c) 1 220 (d) 1 120 (e) 32 (f) 6 200
(g) 1470 (h) 184.1 (i) 36 500 (j) 7 200 000
3. (a) 3.952 (b) 36.075 (c) 21.1698
(d) 37.3584 (e) 123.971 (f) 15.087

6.4 Problems Involving Multiplication

1. £252
2. 192 bars
3. 416 seats
4. 768 bottles
5. £1120
6. 216 slabs
7. £12.90
8. £15.24
9. £18.98
10. £12.80
11. £39.92
12. £7.81 to the nearest penny
13. £2.54 to the nearest penny
14. $365 \times 260 = 94\,900$ (ordinary year)
 $366 \times 260 = 95\,160$ (leap year)
 $5 \times 52 \times 260 = 67\,600$ (5 days a week, 52 weeks per year)
Other variations are possible