

Unit 5.1

- | | | | |
|--------------|------------|-------------------|----------------|
| 1. a) 71,520 | b) 318,184 | c) 359,605 | d) 178,865 |
| e) 390,335 | f) 337,540 | g) 99,876 | h) 37,927 |
| i) 74,166 | j) 74,733 | k) 168,696 | l) 375,342 |
| 2. a) 56,490 | b) 585,711 | c) 174,924 | d) 144,485 |
| e) 45,888 | f) 192,622 | g) 671,220 | h) 345,382 |
| i) 81,690 | j) 306,034 | k) 103,104 | l) 55,566 |
| 3. 155,340 | 4. 169,176 | 5. a) 4,081,500 m | b) 1,795,860 |
| c) 1,460,270 | d) 253,960 | e) 2,394,480 | 6. 4,298 miles |
| 7. a | | | |
-

Unit 5.2

- | | | | |
|---------------|--------------|--------------|--------------|
| 1. a) 88,000 | b) 366,000 | c) 380,000 | d) 4,400,000 |
| e) 3,850,000 | f) 2,765,000 | g) 1,036,000 | h) 37,927 |
| i) 8,366,000 | j) 3,515,000 | k) 873,000 | l) 344,000 |
| 2. a) 144,000 | b) 576,000 | c) 1,720,000 | d) 413,000 |
| e) 432,000 | f) 207,000 | g) 6,030,000 | h) 908,000 |
| i) 798,000 | j) 3,060,000 | k) 1,920,000 | l) 0 |
| 3. 850,000 | 4. \$1,127 | 5. a) 90,000 | b) 96,000 |
| c) 88,200 | d) 494,000 | 6. a | 7. 17,550 |
-

Unit 5.3

- | | | | |
|-----------------|----------------|----------------------------------|----------------|
| 1. a) 3,600 | b) 28,800 | c) 8,800 | d) 18,200 |
| e) 13,500 | f) 2,700 | g) 42,000 | h) 30,000 |
| i) 54,000 | j) 19,800 | k) 52,800 | l) 22,400 |
| 2. a) 19,200 | b) 11,400 | c) 49,000 | d) 20,800 |
| e) 72,900 | f) 12,800 | g) 13,500 | h) 210,000 |
| 3. 15,750 | 4. 8,832 cents | 5. 128,800; associative property | |
| 6. a) 15,525 kg | b) 42,000 L | c) \$6,375 | d) 6,750 cents |
| 7. d | | | |
-

Unit 5.4

- | | | | |
|--|---|---|---------------------------------------|
| 1. a) 7^5 | b) 3^6 | c) 9^7 | d) 5^8 |
| e) 12^7 | f) 6^7 | g) 8^8 | h) 24^5 |
| q) 4,626 | r) 2,415 | s) 891 | t) 1,962 |
| 2. a) $9 \times 9 \times 9 \times 9$ | b) $7 \times 7 \times 7 \times 7 \times 7 \times 7$ | c) $15 \times 15 \times 15$ | |
| d) $13 \times 13 \times 13 \times 13 \times 13$ | e) $10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10$ | | f) $11 \times 11 \times 11 \times 11$ |
| 3. a) 625 | b) 128 | c) 2,197 | d) 144 |
| e) 1,000,000 | f) 32,768 | 4. no, $9 \times 9 = 81$ | |
| 5. $15 \times 15 \times 15 = 3,375$ | 6. box, 23; export=12 | | 7. 15,625 |
| 8. b | | | |
| 9. yes | 10. 2^4 | 11. 64 | |
| 12. a) $2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2$; 2^{10} | b) $13 \times 13 = 13^2$ | c) $7 \times 7 \times 7 \times 7 = 7^4$ | |
| d) $20 \times 20 \times 20 \times 20 = 20^4$ | | 13. no; $3^5 = 243$ and $5^3 = 125$ | |
-

Unit 5.5

- | | | | |
|-----------------------------|----------------|-------------------------------|--------|
| 1. $45 \times 32 = \$1,440$ | 2. 3,276 | 4. a) > | b) < |
| c) = | d) = | e) > | f) = |
| 5. 816,300 meters | 6. 360 minutes | 7. $44 \times \$23 = \$1,012$ | 8. 360 |
| 9. 1,635 people | 10. 6,555 | 11. 25,025 | |
-

Unit 5.6

- | | | | |
|--|--------------|------------|--------------|
| 1. a) 53,843 | b) 279,840 | c) 414,056 | d) 1,250,280 |
| e) 4,052,250 | f) 1,328,294 | | |
| 2. 79,396 | | | |
| 3. 9,629,568 | | | |
| 4. \$2276.8 | | | |
| 5. \$36,504 | | | |
| 6. 149,760,000 | | | |
| 7. 6,167,600 | | | |
| 8. 75,000 ml | | | |
| 9. \$182,000 | | | |
| 10. Yes | | | |
| 11. 160,000 | | | |
| 12. $45 \times 45 \times 45 \times 45 \times 45 \times 45 \times 45$ | | | |
| 13. 392,400 mg | | | |
| 14. 15,705 | | | |
| 15. \$2,346,000 | | | |
| 16. \$2,965,300 | | | |
| 17. 421,875 | | | |
-