

R2.1

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|-----------------------|---|----------------|---------------|
| 1. a) 130,344 | b) 23,886 | c) 292,536 | d) 371,789 |
| 2. 159,900 | 3. a) 165,000 | b) 592,000 | c) 475,000 |
| d) 2,640,000 | 4. a) 66,700 | b) 392,000 | c) 4,600,000 |
| d) 320,000 | 5. 993,000 | 6. 13,000 | 7. a) 2,400 |
| b) 12,150 | c) 6,440 | d) 12,000 | 8. a) 128,100 |
| b) 92,820 | 9. yes; 37,800 | 10. a) 4^5 | b) 9^6 |
| 11. a) 18×18 | b) $24 \times 24 \times 24 \times 24 \times 24$ | 12. a) 262,144 | |
| b) 78,125 | 13. 79,507 | 14. 2^{10} | 15. 4,320 |
| 16. a) < | b) > | c) > | d) > |
| e) < | f) = | 17. \$3,888 | 18. 22,599 |

R2.2

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|-------------------|---------------------------------------|-----------------------------------|---------------|
| 19. \$46 | 20. a) 68 | b) 34 | 21. a) 136 |
| b) 94 | 22. 31 | 23. 66 | 24. a) 115 R1 |
| b) 123 R3 | 25. 3 | 26. a) 226 R2 | b) 119 R0 |
| 27. 80 days | 28. a) 3; 30; 300; 3,000 | b) 5; 50; 500; 5,000 | |
| 29. a | 30. a) $2 \times 2 \times 3 \times 3$ | b) $2 \times 2 \times 5 \times 7$ | |
| 31. a) 2, 2, 2, 3 | b) 24 | 32. 32 teams | 33. 67 |
| 34. d | | | |

R2.3

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|--------------|---------------|----------|------------|
| 35. a) 6 | b) 700 | 36. a) 4 | b) 90 |
| c) 300 | d) 70 | 37. a) 4 | b) 8 |
| 38. 42 sq ft | 39. a) 27 R3 | b) 23 R8 | 40. 70 |
| 41. a) 9 R3 | b) 6 R8 | 42. 41 | 43. a) 200 |
| b) 80 | 44. 300 | 45. 175 | 46. a) > |
| b) < | 47. An Africa | 48. yes | 49. 50 |
| 50. 21 | 51. 40 | | |

R2.4

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|-------------------------|--------------------|-------------|-------------------|
| 52. a) k-500 | b) $r+77$ | c) $10q$ | |
| 53. Adam | | | |
| 54. a) 0, 6, 36, 60, 90 | b) 24, 12, 6, 2, 1 | | |
| 55. k-9; 41 | | | |
| 56. a) $7n+12$ | b) $(x+y)+n$ | | |
| 57. a+6b; 80 | | | |
| 58. a) 4,860 | b) 846 | | |
| 59. Peyton | | | |
| 60. a) 68 | b) 1 | | |
| 61. $15xy$ | b) $2xy$ | | |
| 62. a) m, 6, 5 | b) y, 22, 3 | c) a, 7, 9 | d) x, 8, 1 |
| 63. $35a^2$; 2, a, 35 | | | |
| 64. a) 101 | b) 106 | 65. $40x^2$ | 66. 200, 300, 400 |
| 67. 10 lb | | | |