

R1.1

1. a) 9,100,532                      b) 28,250,001,600  
 c)  $800,000,000+2,000,000+900,000+10,000+1,000+700+40+3$   
 d) 541,244,700                      2. a) 70, 7                      b) 400, 4                      c) 80, 8                      d) 50, 5
3. 100,000,000                      4. a) <                      b) >                      c) =                      d) <  
 e) >                      6. Tokyo, Japan                      7. 30,500,000; 28,100,000; 25,900,000
8. a) 4.1065                      b) 0.00837                      c) 6.22                      d) 3.8
9. a) two and one hundred fifty-nine thousandth; hundredth  
 b) seven and eighty-one hundredth and three hundred sixty-six thousandth; tenth
10. eighty-five and nine tenth; tenth
11. a) <                      b) >                      c) =                      d) <
12. 8.127, 8.217, 8.710, 8.712                      13. Australian; 0.15 cm
14. a) 0.63, 0.64, 0.66, 0.67                      b) 0.27, 0.37, 0.57
15. a)  $2.6 \times 10^{13}$                       b)  $3.52 \times 10^{12}$
16. a) 20,000,000                      b) 50,000,000,000,000

R1.2

17. a) 44                      b) 36                      18. 84
19. 66                      20. a) 101,010                      b) 2,397                      c) 671,990  
 d) 62,131,039                      21. 202,595                      22. a) identity  
 b) commutative                      c) associative                      23. a) 62                      b) 135
24. a) 35                      b) -3,210                      25. associative
26.  $3+92=95$                       27.  $70-15=55$                       28.  $319,365+23,879=343,244$
29. a) 10                      b) 700                      c) 22,000                      d) 900,000                      e) 50  
 f) 8.2                      g) 0.68                      h) 0.40
30. a) 68,364,500; 68,365,000; 68,000,000  
 b) 137,641,900; 137,642,000; 138,000,000                      31. 38,647,000
32. a) 1,300                      b) 5,000                      c) 13                      d) 23                      33. yes

R1.3

34. i) c                      ii) d                      35. Rabbit                      36. 5,616,064; adults
37. Christian                      38. \$295                      39. 47
40. a) 5.18                      b) 54.154                      c) 29.94                      d) 1.286                      e) 367.921  
 f) 39.809
41. a) \$110.58                      b) \$7.38                      c) \$19.21                      d) \$997.31                      e) 36.36  
 f) \$610.9                      42. a) \$2.15                      b) eraser and pencil                      43. 43
44. \$2.25                      45. \$113.25

R1.4

46. a) \$475                      b) yes                      47. a) 0; zero b) 148; commutative  
 c) 162; associative                      48. a) 0; zero                      b) 138; commutative  
 c) 420; associative                      49. a) 1                      b) 27                      c) 62                      d) 16
50. a) 24; 240; 2,400; 24,000                      b) 18; 180; 1,800; 18,000  
 c) 300; 3,000; 30,000; 300,000                      d) 7,360                      e) 7,920
51. a) 2,100; over                      b) 30; over                      c) 1,600; over  
 d) 4,000; over                      e) 7,000 under                      f) 28,000 under
52. 3,000                      53. c

54. a) 456                      b) 238                      c) 390                      d) 261  
    e) 2,472                    f) 2,034                    g) 704                      h) 1,362
55. 8,883 MB
56. 1,248 grams
57. a) 578                      b) 1,035                    c) 2,046                    d) 1,452                    e) 5,130  
    f) 1,365                    g) 1,634                    h) 3,916
58. 980
59. a) 3,630                    b) 516                      c) 374                      d) 2,275
60. a) 32,488                    b) 14,240                    c) 22,464                    d) 17,081
61. a) 14,868                    b) 31,458                    c) 33,696                    d) 36,381
62. 17,155 days
63. 25,200 mangoes
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