

# Answer Key

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|------------------------------------|---|
| 1. 286                             | 43. $6\frac{1}{3} = 6\ 1/3$             |
| 2. 504                             | 44. 2.75                                |
| 3. 595                             | 45. $2\frac{7}{20} = 2\ 7/20$           |
| 4. 735                             | 46. 2.4                                 |
| 5. 792                             | 47. $6\frac{1}{8} = 6\ 1/6$             |
| 6. 7                               | 48. 20.2                                |
| 7. 6 & 2 (remainder)               | 49. $3\frac{3}{4} = 3\ 3/4$             |
| 8. 7 & 1 (remainder)               | 50. $6\frac{2}{5} = 6\ 2/5$             |
| 9. 4 & 1 (remainder)               | 51. $12 - (4 + 1) = 7$ more miles       |
| 10. 12 & 2 (remainder)             | 52. $17 + 3 = 20$                       |
| 11. 10                             | $20 \times 2 = 40$                      |
| 12. 15                             | $40 - 3 = 37$ yrs old                   |
| 13. 7                              | 53. $40 \div 20 = 2$                    |
| 14. 18                             | $2 \times 2 = 4$ gallons                |
| 15. 8                              | 54. $200 \times 2 = \$400$              |
| 16. 7.2                            | 55. $600 \times 3 = \$1800$             |
| 17. 15.15                          | 56. $5 \times 2 = 10$ sq. inches        |
| 18. 9.36                           | 57. 8 vertices                          |
| 19. 11.64                          | 58. $20 \times 20 = 400$ (square area)  |
| 20. 7.45                           | $10 \times 30 = 300$ (rectangle area)   |
| 21. 0.4                            | Ans = A                                 |
| 22. 0.72                           | 59. $276 \div 3 = 92$                   |
| 23. 0.19                           | 60. $21 \times 6 = 126$ min             |
| 24. 0.89                           | 61. $81 - 53 = 28$                      |
| 25. 3.45                           | 62. $121 - 46 = 75$                     |
| 26. 91.52                          | 63. {312, 200, 217, 156 }               |
| 27. 1.281                          | 64. $450 + 530 = 980$                   |
| 28. 1.188                          | $980 \div 20 = \underline{49}$ teachers |
| 29. 10.045                         | 65. $13 \times 2 = 26$                  |
| 30. 38                             | $13 + 26 = 39$ points                   |
| 31. 3                              | 66. $3 \times 12 = 36$                  |
| 32. 4                              | $\frac{1}{3} \times 12 = 4$             |
| 33. 5                              | $36 + 4 = 40$ inches                    |
| 34. 6                              | 67. $36 \div 3 = 12$ (Mary)             |
| 35. 7                              | $12 \times 2 = 24$ (Susan)              |
| 36. $3/4$                          | 68. $51 \times 2 = 102$ words           |
| 37. $7/8$                          | $102 \times 5 = 510$ words (Michael)    |
| 38. $4/5$                          | 69. $2 + 8 = 10$                        |
| 39. $2/5$                          | $4 \times 10 + 2 = \$42.00$             |
| 40. $5/8$                          | 70. $2:35 - 0:15 = 2:20$ P.M.           |
| 41. $1.75 = 1\frac{3}{4} = 1\ 3/4$ |   |
| 42. $\frac{17}{5} = 17/5$          |   |

# Answer Key

1. 288
2. 506
3. 644
4. 736
5. 792
6. 31
7. 16
8. 12 & 1 (remainder)
9. 5 & 2 (remainder)
10. 13 & 2 (remainder)
11. 18
12. 8
13. 40
14. 5
15. 12
16. 10.9
17. 12.6
18. 12.6
19. 8.5
20. 1.9
21. 10.47
22. 10.55
23. 10.551
24. 1.31
25. 9.011
26. 7
27. 8
28. 9
29. 4
30. 5
31. 6
32. 10
33. 2
34. 3
35. 12
36.  $\frac{10}{3} = 10/3$
37.  $\frac{11}{3} = 11/3$
38.  $\frac{13}{4} = 13/4$
39.  $\frac{18}{5} = 18/5$
40.  $\frac{23}{3} = 23/3$
41.  $\frac{86}{5} = 86/5$
42.  $\frac{141}{13} = 141/13$
43.  $\frac{22}{7} = 22/7$
44.  $\frac{15}{4} = 15/4$
45.  $\frac{11}{25} = 11/25$
46.  $14 + 12 = 26$  birds (Duck is a kind of birds.)
47. (a)  $7 - 2 = 5$ ,  $5 \times 5 = 25$  lollipops  
(b)  $42 \div 7 = 6$  days  
(c)  $20 \div 2 = 10$ ,  $10 \times 5 = 50$  lollipops
48.  $30 - 17 - 3 = 10$
49.  $22 - 5 - 3 - 2 = 12$
50.  $82 + 78 + 83 + 85 = 328$   
 $328 \div 4 = 82$
51.  $111 - 11$
52.  $150 \div 30 = 5$  hrs
53. 0, 1, 2, 3, 4, 5, 6  
 $0 + 6 = 6$
54.  $91 - 1 = 90$   
 $90 \div 2 = 45$   
 $45 + 1 = 46$
55.  $4 \times 12 = 48$  cm
56.  $15 - 6 - 5 = 4$
57.  $48 \div 3 = 16$
58.  $15 + 19 = 34$  cups
59.  $5 \times 24 = 120$
60.  $8 + 7 = 15$   
 $8 \times 15 = 120$  mi
61.  $52 \div 4 = \$13$
62.  $900 \div 6 = 150$  coins
63.  $70 \div 14 = 5$  balloons
64.  $165 - 16 - 27 = 122$  books
65.  $16 - 10 = 6$   
 $6 \div 2 = 3$  marbles

# Answer Key

1. 299
  2. 516
  3. 672
  4. 736
  5. 1610
  6. 46
  7. 26
  8. 24
  9. 3 & 1 (remainder)
  10. 9 & 1 (remainder)
  11. 9
  12. 60
  13. 50
  14. 6
  15. 20
  16. 5
  17. 10.7
  18. 14.7
  19. 14.7
  20. 10.4
  21. 5.855
  22. 52.16
  23. 9.07
  24. 5.898
  25. 82.67
  26. 6
  27. 4
  28. 3
  29. 4
  30. 2
  31.  $\frac{1}{3} = \frac{a}{6} = \frac{4}{b}$   
  
 $3 \times 2 = 6$ , so  $1 \times 2 = \underline{2} = a$   
  
 $1 \times 4 = 4$ , so  $3 \times 4 = \underline{12} = b$
  32.  $\frac{3}{4} = \frac{a}{8} = \frac{18}{b}$   
  
 $4 \times 2 = 8$ , so  $3 \times 2 = \underline{6} = a$   
  
 $3 \times 6 = 18$ , so  $4 \times 6 = \underline{24} = b$
  33. 6 (for a) & 28 (for b)
  34. 15 (for a) & 35 (for b)
  35. 18 (for a) & 28 (for b)
  36. 24 (for a) & 25 (for b)
  37. 18 (for a) & 8 (for b)
  38.  $\frac{2}{3} = \frac{8}{12} < \frac{3}{4} = \frac{9}{12}$
  39.  $\frac{1}{2} = \frac{5}{10} > \frac{2}{5} = \frac{4}{10}$
  40. C
  41. 7
  42. 18
  43. 13
  44. 4
  45. 6
  46. 7
  47. 18
  48. 4
  49. 6
  50. 32
  51. (a) 11 (b) 5
  52.  $1+2+3+4+5+6+7+8+9=45$   
 $45 \div 3 = 15$
- |         |    |         |
|---------|----|---------|
| 1, 5, 9 | or | 1, 6, 8 |
| 2, 6, 7 |    | 2, 4, 9 |
| 3, 4, 8 |    | 3, 5, 7 |
53.  $21 \div 3 = 7$
  54.  $9 + 5 = 14$  (Gerald, older)  
Ans = A
  55.  $24 \times 2 = 48$  days
  56.  $28 \div 4 = 7$  (cars)
  57. \$15 = 60 quarters  
60 days
  58.  $1\frac{1}{2} + 1\frac{1}{2} = 3$  lb
  59.  $300 \times 3 = \$900$
  60.  $175 \div 5 = 35$  glasses
  61.  $306 \div 6 = 51$  pies
  62.  $2 \times 4 = \$8.00$
  63.  $59 - 17 + 20 = 62$  parents
  64.  $261 - 165 = 96$
  65.  $36 \div 4 = 9$  students
  66. 2 pencils + 1 eraser = 4.6  
1 pencil + 2 erasers = 4.1  
3 pencils + 3 erasers = 8.7  
6 pencils + 6 erasers = \$17.40

## MAP 245 (T2) Issue 3

67.  $1:32 + 2:28 = 4:00 = 4 \text{ hours}$

$4 \times 15 = \$60$

68.  $200 - 27 - 30 - 21 = 122 = \$1.22$

69.  $58 - 4 = 54$

$54 \div 6 = 9 \text{ balloons}$

70.  $2 + 9 + 9 + 20 = 40$

$6:30 + 0:40 = 6:70 = 7:10 \text{ A.M.}$