

1. $467 + 314 =$ _____ .
2. $999 - 293 =$ _____ .
3. $14 \times 7 =$ _____ .
4. $618 \div 6 =$ _____ .
5. MMVI = _____ (Arabic numerals).
6. $1.5 \times 8 =$ _____ .
7. $\frac{3}{4} - \frac{5}{7} =$ _____ .
8. $22^2 =$ _____ .
9. $17 + 18 + 19 =$ _____ .
- (*) 10. $7847 + 4877 + 8774 + 4787 =$ _____ .
11. $11 \times 28 =$ _____ .
12. $1\frac{1}{4} + 7\frac{1}{3} =$ _____ (mixed number).
13. Which is larger: $\frac{2}{9}$ or $\frac{3}{14}$? _____ .
14. The average of 15, 12, and 6 is _____ .
15. $19 + 3 \times 6 =$ _____ .
16. $23 \times 25 =$ _____ .
17. $200 \div 4 \div 5 \div 2 =$ _____ .
18. LX + XII = _____ (Arabic numerals).
19. $3 + 6 + 9 + 12 + 15 + 18 =$ _____ .
- (*) 20. $299 \times 298 =$ _____ .
21. $(-3) \times (-5) =$ _____ .
22. If $N = 7$, then $N^2 - 18 =$ _____ .
23. 45% of 45 is _____ (decimal).
24. $3^3 =$ _____ .
25. The LCM of 20 and 25 is _____ .
26. $5\frac{1}{4} \times 5\frac{3}{4} =$ _____ (mixed number).
27. $3.45 + 1.6 + 11.7 =$ _____ (decimal).
28. $2\frac{1}{2}$ feet = _____ inches.
29. How many minutes are in one-fifth of an hour?
_____ minutes.
- (*) 30. $\sqrt{31415} =$ _____ .
31. The perimeter of a rectangle whose length is 5 cm
and width 3 cm is _____ cm.
32. $31 \times 29 =$ _____ .
33. $1\frac{1}{2} \times 40 =$ _____ .
34. Solve for x : $9x - 7 = 5x + 9$ _____ .
35. $18 \times 31 + 18 \times 19 =$ _____ .
36. $9\frac{3}{4}$ kilometers = _____ meters.
37. If $\frac{x}{4} = \frac{25}{x}$ and $x > 0$, then $x =$ _____ .
38. How many distinct prime divisors does 45 have?
_____ .
39. $\sqrt{676} =$ _____ .
- (*) 40. $931143 \div 308 =$ _____ .
41. 43 (base 8) + 51 (base 8) = _____ (base 8).
42. $84 \times 86 =$ _____ .
43. A car travelled 364 miles in 7 hours. Find the
average speed of the car. _____ mph.

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44. 16 quarters = _____ dimes.
45. $95 \times 35 =$ _____ .
46. $\frac{12}{11} + \frac{11}{12} =$ _____ (mixed number).
47. $36 \times 1.3 =$ _____ (decimal).
48. $98 \times 96 =$ _____ .
49. The area of a circle is $9\pi \text{ in}^2$. Find its radius.
_____ inches.
- (*) 50. $21 \times 21 \times 19 =$ _____ .
51. $34 \times 17 \div 5$ has a remainder of _____ .
52. $1 + 3 + 5 + 7 + \dots + 27 =$ _____ .
53. $101 \times 73 =$ _____ .
54. The next term in the sequence 2, 3, 5, 8, 12, 17, ... is _____ .
55. Find the largest integer x such that $9x + 20 < 35$.
_____ .
56. $104 \times 103 =$ _____ .
57. Each interior angle of a regular pentagon measures _____ degrees.
58. $7^2 \times 2^2 \times 3^2 =$ _____ .
59. The hypotenuse of a right triangle is 25. If one leg is 24, find the other leg. _____ .
- (*) 60. $625 \times 88 =$ _____ .
61. The reciprocal of 2.5 is _____ (decimal).
62. $.1333\dots =$ _____ (fraction).
63. The points (2, 4), (4, y), and (6, 20) lie on the same line. Find y . _____ .
64. How many positive integers less than 22 are relatively prime to 22? _____ .
65. ${}_8C_2 =$ _____ .
66. 90 decreased by 50% of 10 is _____ .
67. The odds of losing are 2 to 5. Find the probability of winning. _____ .
68. If $3^N = 243$, then $N^3 =$ _____ .
69. $78 \times 111 =$ _____ .
- (*) 70. $\pi^4 - 35 =$ _____ .
71. A right circular cone has a radius of 4 inches and an altitude of 6 inches. Its volume is $A\pi \text{ in}^3$. Find A . _____ .
72. $\frac{9!}{7!} =$ _____ .
73. Find the largest two-digit integer N such that $N \div 18$ has a remainder of 15. _____ .
74. $13 \times \frac{13}{15} =$ _____ (mixed number).
75. If $f(x) = x^2 - 2x + 1$, then $f(11) =$ _____ .
76. $\frac{7^5 \times 5^4}{7^4 \times 5^2} =$ _____ .
77. $3 + 1 + \frac{1}{3} + \frac{1}{9} + \dots =$ _____ .
78. A triangle has sides measuring 6 mm, 10 mm, and 8 mm. Find the largest angle of the triangle.
_____ degrees.
79. $999 \times 35 =$ _____ .
- (*) 80. $285 \times 77 =$ _____ .

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Practice Test – Set S – Test 1

Answers

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|----------------------|-----------------------|-----------------------|-----------------------|
| (1) 781 | (24) 27 | (44) 40 | (63) 12 |
| (2) 706 | (25) 100 | (45) 3325 | (64) 10 |
| (3) 98 | (26) $30\frac{3}{16}$ | (46) $2\frac{1}{132}$ | (65) 28 |
| (4) 103 | (27) 16.75 | (47) 46.8 | (66) 85 |
| (5) 2006 | (28) 30 | (48) 9408 | (67) $\frac{5}{7}$ |
| (6) 12 | (29) 12 | (49) 3 | (68) 125 |
| (7) $\frac{1}{28}$ | * (30) 169 – 186 | * (50) 7961 – 8797 | (69) 8658 |
| (8) 484 | (31) 16 | (51) 3 | * (70) 60 – 65 |
| (9) 54 | (32) 899 | (52) 196 | (71) 32 |
| *(10) 24971 – 27599 | (33) 60 | (53) 7373 | (72) 72 |
| (11) 308 | (34) 4 | (54) 23 | (73) 87 |
| (12) $8\frac{7}{12}$ | (35) 900 | (55) 1 | (74) $11\frac{4}{15}$ |
| (13) $\frac{2}{9}$ | (36) 9750 | (56) 10712 | (75) 100 |
| (14) 11 | (37) 10 | (57) 108 | (76) 175 |
| (15) 37 | (38) 2 | (58) 1764 | (77) $\frac{9}{2}$ |
| (16) 575 | (39) 26 | (59) 7 | (78) 90 |
| (17) 5 | * (40) 2873 – 3174 | * (60) 52250 – 57750 | (79) 34965 |
| (18) 72 | (41) 114 | (61) .4 | * (80) 20848 – 23042 |
| (19) 63 | (42) 7224 | (62) $\frac{2}{15}$ | |
| *(20) 84647 – 93557 | (43) 52 | | |
| (21) 15 | | | |
| (22) 31 | | | |
| (23) 20.25 | | | |