


SECTION 1 (Mental Maths Calculation)

1. $62541 + 16489 =$ _____

- (a) 70903 (b) 79003
(c) 79030 (d) 79300

2. $91254 - 8824 =$ _____

- (a) 82430 (b) 82410
(c) 83430 (d) 82420

3. $75641 + 654 =$ _____

- (a) 72965 (b) 76295
(c) 72695 (d) 79265

4. $24683 - 3127 =$ _____

- (a) 21656 (b) 21356
(c) 21456 (d) 21556

5. $9136 + 2168 - 392 =$ _____

- (a) 10812 (b) 11912
(c) 10912 (d) 10712

6. $2451 + 1254 - 754 =$ _____

- (a) 2691 (b) 2851
(c) 2591 (d) 2951

7. $2462 - (342 + 891) =$ _____

- (a) 1226 (b) 3561
(c) 1229 (d) 3661

8. $(171 - 36) + (100 - 27) =$

- (a) 208 (b) 209
(c) 207 (d) 210

9. $(100 - 63) + (100 + 72) =$

- (a) 206 (b) 219
(c) 217 (d) 209

10.
$$\begin{array}{r} 2245 \\ + 1614 \\ + 1276 \\ + 1762 \\ + 3176 \\ \hline \end{array}$$

- (a) 9073 (b) 10073
(c) 12073 (d) 11073

11.
$$\begin{array}{r} 4231 \\ + 1254 \\ + 2365 \\ + 4126 \\ + 2142 \\ \hline \end{array}$$

- (a) 14118 (b) 11418
(c) 11481 (d) 14181



12. $(7 + 8 + 9 + 4 + 6 + 3) + \square$
= 45

- (a) 7 (b) 10
(c) 8 (d) 5

13. $(7 + 9 + 3 + 5 + 4) + \square$
= 50

- (a) 21 (b) 22
(c) 17 (d) 19

14. $27 \times 23 = \underline{\hspace{2cm}}$

- (a) 721 (b) 622
(c) 623 (d) 621

15. $94 \times 81 = \underline{\hspace{2cm}}$

- (a) 7461 (b) 7164
(c) 7614 (d) 1674

16. $317 \times 28 = \underline{\hspace{2cm}}$

- (a) 1637 (b) 9876
(c) 8776 (d) 8876

17. $3251 \times 52 = \underline{\hspace{2cm}}$

- (a) 106952 (b) 109652
(c) 196052 (d) 169052

18. $8456 \times 60 = \underline{\hspace{2cm}}$

- (a) 507360 (b) 526360
(c) 517360 (d) 506360

19. $520 \div 40 = \underline{\hspace{2cm}}$

- (a) 14 (b) 12
(c) 13 (d) 15

20. $650 \div 26 = \underline{\hspace{2cm}}$

- (a) 24 (b) 26
(c) 20 (d) 25

21. $1900 \div 4 = \underline{\hspace{2cm}}$

- (a) 475 (b) 465
(c) 455 (d) 445

22. $2896 \div 8 = \underline{\hspace{2cm}}$

- (a) 463 (b) 262
(c) 362 (d) 361

23. If 3682 is divided by 5,
leaves remainder as $\underline{\hspace{2cm}}$

- (a) 2 (b) 1
(c) 4 (d) 3

24. If 6169 is divided by 7,
leaves remainder $\underline{\hspace{2cm}}$

- (a) 4 (b) 3
(c) 5 (d) 2

25. double of 672 is $\underline{\hspace{2cm}}$

- (a) 1244 (b) 1344
(c) 1444 (d) 1544



- 26.** half of 952 is _____
(a) 471 (b) 476
(c) 421 (d) 467
- 27.** Square of 24 is _____
(a) 625 (b) 586
(c) 576 (d) 484
- 28.** Square of 52 is _____
(a) 7204 (b) 2470
(c) 7240 (d) 2704
- 29.** $8 \times 30 + \square = 400$
(a) 160 (b) 150
(c) none of this (d) 130
- 30.** $6 \times 70 - \square = 400$
(a) 80 (b) 60
(c) 20 (d) 40
- 31.** 7 times of 8 – square of 3 =
(a) 47 (b) 46
(c) 57 (d) 44
- 32.** 8 times of 6 – square of 5 =
(a) 43 (b) 21
(c) 25 (d) 23
- 33.** 6 times of 7 – square of 5 =
(a) 17 (b) 20
(c) 15 (d) 27
- 34.** 9 times of 8 – square of 4 =
(a) 64 (b) 68
(c) 56 (d) 52
- 35.** $(86 \times 100) - (32 \times 20) =$
(a) 7560 (b) 7460
(c) 7660 (d) 7960
- 36.** $(56 \times 100) - (45 \times 100) =$
(a) 1100 (b) 1300
(c) 1200 (d) 1400
- 37.** $(12 \times 100) - (15 \times 10) =$
(a) 1150 (b) 1250
(c) 1050 (d) 1450
- 38.** $(95 \times 20) + (13 \times 100) =$
(a) 3600 (b) 3400
(c) 3300 (d) 3200
- 39.** Twelve times of 7 reduced by 3 times of 9 we get _____
(a) 47 (b) 57
(c) 67 (d) 37
- 40.** Four times of 7 increased by 5 times of 3 we get _____
(a) 43 (b) 56
(c) 42 (d) 36

SECTION 2
(Mental Maths Concepts)

41. A 4 digit even number is more than 3200 but less than 4500. Find the sum of the smallest and greatest possible number.

- (a) 7700 (b) 7600
(c) 7500 (d) 7300

42. W is 40 tens more than V. V is 6 hundred less than 6240, find the value of W.

- (a) 6020 (b) 6030
(c) 6040 (d) 6050

43. Find smallest fraction among

(i) $\left(\frac{1}{4} + \frac{5}{4}\right)$ (ii) $\left(\frac{7}{4} - \frac{3}{4}\right)$

(iii) $\left(\frac{9}{4} + \frac{2}{4}\right)$ (iv) $\left(\frac{7}{4} - \frac{1}{2}\right)$

- (a) i (b) ii
(c) iii (d) iv

44. $8 \overline{)5656}$

- (a) 709 (b) 770
(c) 77 (d) 707

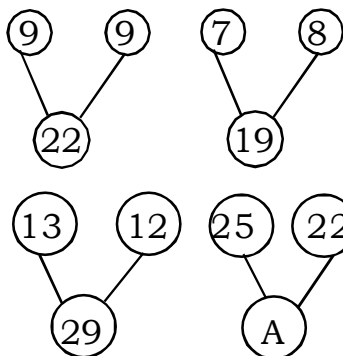
45. $70 - (\square \times 7) = 0$

- (a) 8 (b) 9
(c) 10 (d) 7

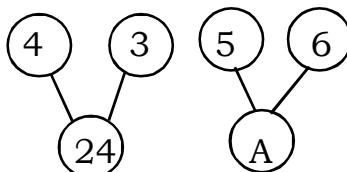
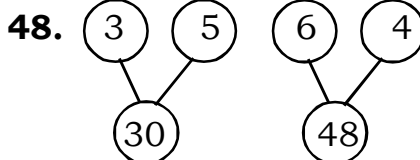
46. A machine produces 120 pieces of good is 2 hour? How many pieces it will produce is 45 mins?

- (a) 60 (b) 75
(c) 45 (d) 80

47. Observe the number bond and find the value of A.



- (a) 41 (b) 51
(c) 61 (d) 31



- (a) 60 (b) 40
(c) 30 (d) 50

49. $P + Q = 21$
 $P - Q = 15$ Then $P = ?$

- (a) 13 (b) 15
(c) 14 (d) 18

50. The sum of prime numbers between 40 and 60 is _____

- (a) 243 (b) 292
(c) 290 (d) 293

51. There are _____ prime number between 18 and 38.

- (a) 5 (b) 3
(c) 4 (d) 6

52. The sum of all divisor of 30 is _____

- (a) 76 (b) 74
(c) 72 (d) 70

53. L.C.M. of 32 and 8 is _____

- (a) 4 (b) 8
(c) 16 (d) 32

54. H.C.F. of 12 and 24 is _____

- (a) 24 (b) 12
(c) 2 (d) 8

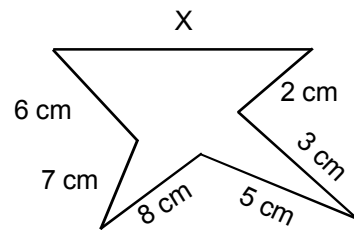
55. The sum of 25th odd number and 40th even number is _____

- (a) 129 (b) 149
(c) 139 (d) 189

56. If 7th May 2013 is Tuesday then the day on 17th June 2013 is _____

- (a) Sunday (b) Tuesday
(c) Monday (d) Wednesday

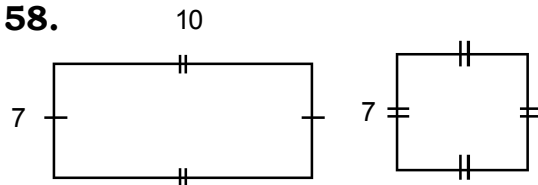
57.



If perimeter of given figure is 45 cm find value of x.

- (a) 12 (b) 13
(c) 14 (d) 16

58.



The difference between area of rectangle & square is _____ sq unit.

- (a) 21 (b) 25
(c) 23 (d) 27

59. Subtract 57 tens from 46 hundreds. The place value of the digits 3 in the result is _____

- (a) 3 thousand (b) 3 hundred
(c) 3 ones (d) 3 tens

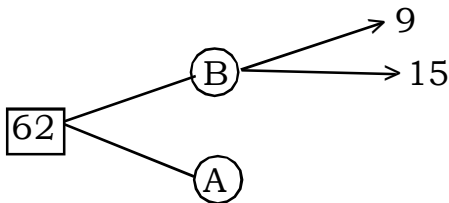
60. The product of 5 and 8 gives the same results as _____ divided by 4.

- (a) 80 + 90 (b) 70 + 90
(c) 80 + 100 (d) 70 + 100

SECTION 3 (Mental Maths Challenge)

61.

Complete the number Bonds, find the difference between A and B.



- (a) 14 (b) 38 (c) 24 (d) None of this

62. If $\frac{1}{4}$ part of a certain amount was given to Neha and the rest to Juhi. If Juhi got ₹ 120, how much did Neha got.

- (a) ₹ 70 (b) ₹ 160 (c) ₹ 40 (d) ₹ 180

63. A store has sale on cans of tennis balls. For every 3 cans bought you get 1 can free. When you came home you had 36 balls in your shopping bag. If each can has 3 balls. How many tennis balls did you get free?

- (a) 20 (b) 15 (c) 8 (d) 9

64. What will be 6th term of sequence below.

120, 60, 30,

- (a) $3\frac{1}{4}$ (b) $3\frac{3}{4}$ (c) $3\frac{1}{2}$ (d) $3\frac{2}{3}$

65. There are 786 apples and oranges in a box. There are 40 more apples than oranges. 60 oranges are rotten. How many more apples than fresh oranges are there in the box.

- (a) 100 (b) 60 (c) 70 (d) 80

66. Study the number pattern in diagram.

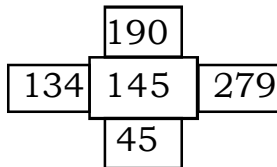


Diagram 1

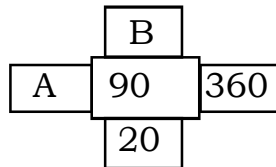


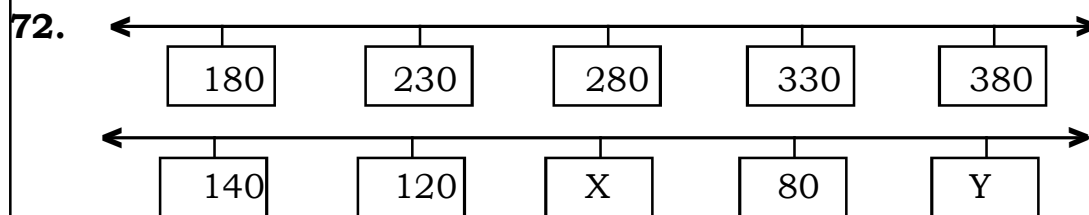
Diagram 2

The difference between value of A and B is _____

- (a) 160 (b) 150 (c) 140 (d) 170
67. _____ less than 91 tens 43 ones is 634
 (a) 30 tens (b) 20 tens 42 ones
 (c) 30 tens 19 ones (d) 25 tens 35 ones
68. The height of the taller tree is thrice the height of shorter tree. The height of shorter tree is 8 m. Find the sum of height of both the trees?
 (a) 28 m (b) 30 m (c) 24 m (d) 32 m
69. Rakesh made three times paper boats as Nagesh. Nagesh made twice as many paper boats as Yogesh. If Nagesh made 70 paper boats. How many paper boats did the three children make altogether?
 (a) 310 (b) 315 (c) 320 (d) 130
70. $\Delta + 34 = 65$
 $\square + \Delta = 53$
 $\Delta - \square = ?$
 (a) 9 (b) 8 (c) 6 (d) 5

71. List all possible numbers that are between 30 and 60 and have sum of 6 when all the digits are added, the sum of all these numbers is _____

- (a) 126 (b) 136 (c) 166 (d) 156



The sum of X and Y is _____

- (a) 100 (b) 160 (c) 140 (d) 150

73. If D is the greatest 2 digit even number then $(D - 3) \times 4$ gives _____

- (a) 390 (b) 385 (c) 380 (d) 375

74. It takes 65 minutes of fly from town A to town B. It takes 15 times as much time to drive the same distance. How much time is needed to drive from town A to town B?

- (a) 14 hrs 30 min (b) 16 hrs 20 min (c) 15 hour 30 min (d) 16 hrs 15 min

75. The total age of Anil and Manali is 52 years. Manali is 10 years younger than Anil. How old was Anil three years ago?

- (a) 28 yrs (b) 26 yrs (c) 27 yrs (d) 29 yrs



MENTAL MATHS COMPETITION®

Date : _____

Name of Student in Full (IN CAPITAL LETTERS) :-

Name

Father's Name

Surname

School Name _____

Mobile No. _____

Std. _____ Centre _____

INSTRUCTIONS

1. Use HB Pencil only on this sheet
2. Darken the ovals fully.
3. Erase completely to change responses.
4. Do not make any stray mark on this sheet.

For Office Use Only

Incorrect way of shading

A B C D

A B C D

A B C D

Correct way of shading

A B C D

ANSWERS

Section - I

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| 9. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 29. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D |
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| 11. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 31. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D |
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Section - II

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