


**SECTION 1 (Mental Maths Calculation)**

1. 31237 less than 68734 =  
\_\_\_\_\_

- (a) 37497 (b) 34797  
(c) 34779 (d) 37479

2. 5429 more than 42389 =  
\_\_\_\_\_

- (a) 47718 (b) 47618  
(c) 47918 (d) 47818

3. 9321 is \_\_\_\_\_ less than  
10000.

- (a) 697 (b) 679  
(c) 689 (d) 669

4. 4789 is \_\_\_\_\_ more than  
3500.

- (a) 1189 (b) 1089  
(c) 1289 (d) 1389

5.  $(4632 - 1943) + (2473) =$   
\_\_\_\_\_

- (a) 5062 (b) 5262  
(c) 5362 (d) 5162

6.  $(8713 + 3572) - (2971) =$   
\_\_\_\_\_

- (a) 9314 (b) 9134  
(c) 9135 (d) 9315

7. 
$$\begin{array}{r} 5 \quad A \quad 4 \quad 6 \\ + 1 \quad 6 \quad 4 \quad B \\ \hline 6 \quad 9 \quad C \quad 8 \end{array}$$

$A + B + C =$

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

8. 
$$\begin{array}{r} 8 \quad A \quad 6 \quad B \\ - 2 \quad 4 \quad 5 \quad 7 \\ \hline 6 \quad 4 \quad C \quad 7 \end{array}$$

$A + B + C =$

- (a) 12 (b) 16  
(c) 14 (d) 18

9. Which of following is 971  
less than 2632

- (a) 1661 (b) 2661  
(c) 1616 (d) 1662

10. 6218 is \_\_\_\_\_ hundreds more  
than 4918.

- (a) 1300 (b) 13  
(c) 130 (d) 1.3

11. 
$$\begin{array}{r} 4 \quad 6 \\ \times 3 \quad 9 \\ \hline \end{array}$$

- (a) 1694 (b) 1594  
(c) 1894 (d) 1794



12. 
$$\begin{array}{r} 54 \\ \times 97 \\ \hline \end{array}$$

- (a) 5382 (b) 5328  
(c) 5238 (d) 5832

13. 
$$\begin{array}{r} 891 \\ \times 291 \\ \hline \end{array}$$

- (a) 259281 (b) 259181  
(c) 259381 (d) 259481

14. 
$$\begin{array}{r} 763 \\ \times 431 \\ \hline \end{array}$$

- (a) 328843 (b) 328853  
(c) 382853 (d) 328583

15. 
$$26 \overline{)5096}$$

- (a) 206 (b) 201  
(c) 191 (d) 196

16. 
$$37 \overline{)8547}$$

- (a) 241 (b) 231  
(c) 213 (d) 221

17. 
$$(9 \overline{)54}) \times (4 \times 2) - (8 \overline{)56})$$

- (a) 40 (b) 43  
(c) 41 (d) 39

18. 
$$[8 \times 10] - [4 \times 9] - [4 \times 9]$$

- (a) 8 (b) 7  
(c) 6 (d) 5

19.  $16 \text{ tens} \div 4 = \underline{\hspace{2cm}}$

- (a) 4 (b) 40  
(c) 400 (d) 0.4

20.  $30 \text{ tens} \times 6 = \underline{\hspace{2cm}}$

- (a) 180 (b) 18  
(c) 1800 (d) 18000

21.  $\frac{5}{4} + \frac{2}{8} =$

- (a)  $\frac{3}{2}$  (b)  $\frac{3}{4}$   
(c)  $\frac{3}{8}$  (d)  $\frac{13}{8}$

22.  $\frac{1}{3} + \frac{2}{5} =$

- (a)  $\frac{10}{15}$  (b)  $\frac{12}{15}$   
(c)  $\frac{13}{15}$  (d)  $\frac{11}{15}$

23.  $\frac{9}{16} - \frac{3}{8} =$

- (a)  $\frac{1}{16}$  (b)  $\frac{4}{16}$   
(c)  $\frac{3}{16}$  (d)  $\frac{2}{16}$

24.  $\frac{21}{7} - \frac{3}{4} =$

- (a)  $\frac{63}{28}$  (b)  $\frac{61}{28}$   
(c)  $\frac{56}{27}$  (d)  $\frac{65}{28}$



25.  $\frac{4}{7}$ ,  $\frac{2}{6}$ ,  $\frac{4}{6}$ ,  $\frac{5}{7}$  The smallest fraction is \_\_\_\_\_

- (a)  $\frac{4}{7}$  (b)  $\frac{5}{7}$   
(c)  $\frac{4}{6}$  (d)  $\frac{2}{6}$

26.  $\frac{9}{7}$ ,  $\frac{11}{8}$ ,  $\frac{10}{8}$ ,  $\frac{10}{7}$  the greatest fraction is \_\_\_\_\_

- (a)  $\frac{10}{7}$  (b)  $\frac{10}{8}$   
(c)  $\frac{11}{8}$  (d)  $\frac{9}{7}$

27.  $\frac{4}{9} = \frac{\square}{27}$

The missing number is

- (a) 13 (b) 3  
(c) 12 (d) 6

28.  $\frac{4}{8} = \frac{28}{\square}$

- (a) 46 (b) 66  
(c) 60 (d) 56

29.  $\frac{4}{9} \times \frac{6}{5} \times \frac{5}{7} =$

- (a)  $\frac{9}{21}$  (b)  $\frac{8}{21}$   
(c)  $\frac{6}{21}$  (d)  $\frac{7}{21}$

30.  $\frac{4}{5} \times \frac{7}{15} \times \frac{9}{7} =$

- (a)  $\frac{12}{25}$  (b)  $\frac{12}{15}$   
(c)  $\frac{21}{17}$  (d)  $\frac{24}{14}$

31.  $\frac{7}{15} \div \frac{21}{18} =$

- (a)  $\frac{7}{5}$  (b)  $\frac{15}{18}$   
(c)  $\frac{4}{5}$  (d)  $\frac{2}{5}$

32.  $\frac{6}{50} \div \frac{12}{15} =$

- (a)  $\frac{7}{20}$  (b)  $\frac{3}{20}$   
(c)  $\frac{5}{20}$  (d)  $\frac{8}{20}$

33.  $4\frac{2}{3} \times 9 =$  \_\_\_\_\_

- (a) 32 (b) 52  
(c) 22 (d) 42

34.  $6\frac{2}{5} \times 10 =$  \_\_\_\_\_

- (a) 54 (b) 74  
(c) 64 (d) 84

35.  $5 \text{ kg } 290 \text{ gm} + 1 \text{ kg } 270 \text{ gm}$   
 $=$  \_\_\_\_\_ kg

- (a) 6 kg 460                      (b) 6 kg 660  
 (c) 6 kg 560                      (d) 6 kg 780

36.  $8 \text{ l } 625 \text{ ml} = 4390 \text{ ml} +$  \_\_\_\_\_

- (a) 4235 ml                      (b) 3235 ml  
 (c) 4235 l                        (d) 3.235 l

37.  $2 \text{ hrs } 35 \text{ min} + 4 \text{ hrs } 41 \text{ min}$   
 $=$  \_\_\_\_\_

- (a) 6:56 hrs                      (b) 8:16 hrs  
 (c) 6:16 hrs                      (d) 7:16 hrs

38.  $9 \text{ hrs } 21 \text{ min} - 3 \text{ hrs } 42 \text{ min}$   
 $=$  \_\_\_\_\_

- (a) 5 hrs 29 min                (b) 5 hrs 49 min  
 (c) 5 hrs 39 min                (d) 3 hrs 29 min

39. Study the number pattern  
 what will be the next  
 number.

24, 39, 69, .....

- (a) 114                              (b) 98  
 (c) 112                              (d) 86

40. 519, 533, 547, .....

- (a) 551                              (b) 571  
 (c) 570                              (d) 561

**SECTION 2**  
**(Mental Maths Concepts)**

41. 18 hundreds 14 ones – ☆  
 $= 692$

Which following number  
 represent ☆

- (a) 1112                              (b) 1122  
 (c) 1132                              (d) 1142

42.  $A - 2137 = 4278$

$A = B + 861$

Find the value of B

- (a) 4545                              (b) 4445  
 (c) 5454                              (d) 5554

43. The L.C.M of 4, 6 and 9 is

\_\_\_\_\_

- (a) 72                                (b) 108  
 (c) 144                                (d) 36

44. The H.C.F. of 14, 70 and 28  
 is \_\_\_\_\_

- (a) 7                                    (b) 2  
 (c) 14                                    (d) 4

45. The sum of prime divisor of  
 140 is \_\_\_\_\_

- (a) 14                                (b) 12  
 (c) 16                                (d) 15



- 46.** Which of the following number is exactly divisible by 6  
(a) 924 (b) 893  
(c) 746 (d) 544
- 47.** Which of the following number exactly divisible by 12  
(a) 4042 (b) 4410  
(c) 4014 (d) 4104
- 48.** 619 hecto gram = \_\_\_\_\_ mg  
(a) 61900 (b) 619000  
(c) 61900000 (d) 6190000
- 49.** 370 decaliter = \_\_\_\_\_ centilitre  
(a) 370000 (b) 37000  
(c) 3.70 (d) 37.0
- 50.** 290 metre = \_\_\_\_\_ hecto metre  
(a) 2.90 (b) 0.29  
(c) 29 (d) 290
- 51.** In 5 innings Rohit scored 61, 35, 49, 52 and 43. Find his average score?  
(a) 47 (b) 45  
(c) 51 (d) 48
- 52.**  $4.9 + 12.7 + 37.269 =$  \_\_\_\_\_  
(a) 54.769 (b) 54.669  
(c) 54.869 (d) 54.969
- 53.**  $17.289 - 3.49 =$  \_\_\_\_\_  
(a) 3.699 (b) 13.599  
(c) 13.799 (d) 13.899
- 54.**  $10.5 \times 3.2 =$  \_\_\_\_\_  
(a) 13.6 (b) 32.6  
(c) 3.36 (d) 33.6
- 55.**  $7.86 \div 0.7 =$  \_\_\_\_\_  
(a) 10.18 (b) 12.28  
(c) 11.22 (d) 13.22
- 56.**  $3 \times [18 + \{4 + 6(9 - 7)\}] =$   
(a) 102 (b) 92  
(c) 112 (d) 122
- 57.**  $[11 + (-7)] - [7 \times -4] =$  \_\_\_\_\_  
(a) -32 (b) 24  
(c) -24 (d) 32
- 58.** 25% of 848 = \_\_\_\_\_  
(a) 202 (b) 212  
(c) 222 (d) 232
- 59.** 35% of 35 = \_\_\_\_\_  
(a) 10 (b) 10.25  
(c) 12.25 (d) 100
- 60.** 50% of 49 = \_\_\_\_\_  
(a) 24.5 (b) 25.5  
(c) 23.5 (d) 29.5

**SECTION 3 (Mental Maths Challenge)**

- 61.** How many 2 digit number, smaller than 68 have sum of their digits equal to 3.  
(a) 4 (b) 3 (c) 6 (d) 7
- 62.** An employee took 2 hrs 15 min to wash 9 cars if the employee took an equal amount of time to wash each car, how much time he took to wash 14 cars?  
(a) 2 hrs 30 min (b) 3 hrs 15 min (c) 4 hrs 35 min (d) 3 & half hour
- 63.** 20% of 160 + 15% of 180 + 25% of 96 = \_\_\_\_\_  
(a) 89 (b) 83 (c) 73 (d) 65
- 64.** Krish has 80 blue marbles and 52 pink marbles. He want to put an equal number of blue and pink marbles into some boxes. How many boxes does he need at most?  
(a) 4 (b) 3 (c) 2 (d) 5
- 65.** Rope X is 7.2 m long  
Rope Y is  $\frac{4}{9}$  of Rope X  
Rope Z is  $\frac{1}{2}$  the length of Rope Y.  
Find the total length of the 3 ropes in meters.  
(a) 12.08 m (b) 12 cm (c) 12 m (d) 11.8 m

- 66.**  $A + B = 11$   
 $B + C = 9$   
 $B = 2$  times of  $C$ .  
Find the value of  $A$ .  
(a) 6 (b) 3 (c) 12 (d) 5
- 67.** The mass of box A is 8 kg more than the mass of box B. The mass of box A is 7 times the mass of box C. What is a mass of Box B if the mass of box C is 11 kg?  
(a) 69 (b) 68 (c) 70 (d) 72
- 68.** Sagar read  $\frac{1}{4}$  of a book. If he read further 60 pages, he would have read of  $\frac{3}{4}$  of the book. How many pages were there in the book.  
(a) 110 (b) 140 (c) 120 (d) 130
- 69.** The difference between 38.16 and 8.9 is equal to \_\_\_\_\_  
(a) 28.07 (b) 29.26 (c) 28.26 (d) 29.07
- 70.** Cost of 3 kg sugar is ₹ 72 and 2 kg tea powder is ₹ 102. Find the total cost of 8 kg sugar and 7 kg tea powder.  
(a) ₹ 545 (b) ₹ 549 (c) ₹ 594 (d) ₹ 550



- 71.** The sum of ₹ 690 is shared among three brothers. The eldest brother gets ₹ 50 more than second brother. The second brother gets ₹ 110 more than youngest brother. How much does youngest brother get?
- (a) ₹ 140                      (b) ₹ 150                      (c) ₹ 200                      (d) ₹ 250
- 72.** Amit is 5 years 7 months old now. Ajit is twice as old as Amit and he is 3 years 1 month older than Sujit. How old will Sujit be in 4 months.
- (a) 8 years 4 months                      (b) 8 years 1 month  
(c) 6 years 2 months                      (d) 8 years 5 months
- 73.** Find the missing number  
 $[18 + 7 \times \square] \div 6 = 10$
- (a) 5                      (b) 3                      (c) 6                      (d) 7
- 74.** Pintu has thrice as many stamps as Chintu. If Chintu has 21 stamps. How many stamps they have altogether?
- (a) 85                      (b) 82                      (c) 84                      (d) 42
- 75.**  $\bigcirc \times \Delta = 30$   
 $\bigcirc - \star = 2$   
 $\Delta + \Delta = 10$   
Find the value of  $\star$
- (a) 4                      (b) 8                      (c) 6                      (d) 10





# MENTAL MATHS COMPETITION®

Date : \_\_\_\_\_

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

\_\_\_\_\_

Name

\_\_\_\_\_

Father's Name

\_\_\_\_\_

Surname

School Name \_\_\_\_\_

Mobile No. \_\_\_\_\_

Std. \_\_\_\_\_ Centre \_\_\_\_\_

**INSTRUCTIONS**

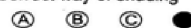
1. Use HB Pencil only on this sheet
2. Darken the ovals fully.
3. Erase completely to change responses.
4. Do not make any stray mark on this sheet.

For Office Use Only

Incorrect way of shading



Correct way of shading



**ANSWERS**

**Section - I**

- |             |             |
|-------------|-------------|
| 1. A B C D  | 21. A B C D |
| 2. A B C D  | 22. A B C D |
| 3. A B C D  | 23. A B C D |
| 4. A B C D  | 24. A B C D |
| 5. A B C D  | 25. A B C D |
| 6. A B C D  | 26. A B C D |
| 7. A B C D  | 27. A B C D |
| 8. A B C D  | 28. A B C D |
| 9. A B C D  | 29. A B C D |
| 10. A B C D | 30. A B C D |
| 11. A B C D | 31. A B C D |
| 12. A B C D | 32. A B C D |
| 13. A B C D | 33. A B C D |
| 14. A B C D | 34. A B C D |
| 15. A B C D | 35. A B C D |
| 16. A B C D | 36. A B C D |
| 17. A B C D | 37. A B C D |
| 18. A B C D | 38. A B C D |
| 19. A B C D | 39. A B C D |
| 20. A B C D | 40. A B C D |

**Section - II**

- |             |
|-------------|
| 41. A B C D |
| 42. A B C D |
| 43. A B C D |
| 44. A B C D |
| 45. A B C D |
| 46. A B C D |
| 47. A B C D |
| 48. A B C D |
| 49. A B C D |
| 50. A B C D |
| 51. A B C D |
| 52. A B C D |
| 53. A B C D |
| 54. A B C D |
| 55. A B C D |
| 56. A B C D |
| 57. A B C D |
| 58. A B C D |
| 59. A B C D |
| 60. A B C D |

**Section - III**

- |             |
|-------------|
| 61. A B C D |
| 62. A B C D |
| 63. A B C D |
| 64. A B C D |
| 65. A B C D |
| 66. A B C D |
| 67. A B C D |
| 68. A B C D |
| 69. A B C D |
| 70. A B C D |
| 71. A B C D |
| 72. A B C D |
| 73. A B C D |
| 74. A B C D |
| 75. A B C D |