## SECTION 1 (Mental Maths Calculation)

**1.** 51812 + 94134 = _____

(a) 145946 (b) 122856
(c) 142956 (d) 152856

**2.** 91243 – 9284 = _____

(a) 81419 (b) 81959
(c) 71319 (d) 822319

**3.** 24863 + 948 = _____

(a) 23811 (b) 26171
(c) 25811 (d) 27811

**4.** 36958 – 1553 = _____

(a) 35405 (b) 35705
(c) 36745 (d) 35409

**5.** 9132 + 4137 – 400 = _____

(a) 12867 (b) 13568
(c) 12869 (d) 12868

**6.** 2248 + 2000 – 500 = _____

(a) 3578 (b) 3748
(c) 3468 (d) 3858

**7.** 2461 – (400 + 800) = _____

(a) 1461 (b) 1241
(c) 1261 (d) 1260

**8.** (100 – 46) + (100 – 25) =

_____

(a) 129 (b) 149
(c) 139 (d) 159

**9.** (100 – 72) + (100 + 32) =

_____

(a) 150 (b) 170
(c) 160 (d) 180

**10.**
$$\begin{array}{r} 2243 \\ +\ 1319 \\ +\ 1241 \\ +\ 1251 \\ \hline \end{array}$$

_____

(a) 6054 (b) 6504
(c) 6178 (d) 6274

**11.**
$$\begin{array}{r} 4139 \\ +\ 1432 \\ +\ 9999 \\ +\ 1358 \\ +\ 1468 \\ \hline \end{array}$$

_____

(a) 18248 (b) 18396
(c) 18946 (d) 18936

**12.** (9 + 4 + 3 + 5 + 1 + 4) + ☐ = 70

(a) 44 (b) 54

(c) 42 (d) 52

**13.** (8 + 3 + 9 + 4 + 8) + ☐ = 64

(a) 42 (b) 32

(c) 34 (d) 44

**14.** 27 × 26 = _____

(a) 746 (b) 802

(c) 702 (d) 602

**15.** 95 × 96 = _____

(a) 9625 (b) 9120

(c) 9175 (d) 9170

**16.** 4125 × 50 = _____

(a) 206520 (b) 225520

(c) 206250 (d) 217250

**17.** 8254 × 70 = _____

(a) 717584 (b) 617584

(c) 517780 (d) 577780

**18.** 3504 × 50 = _____

(a) 185250 (b) 175350

(c) 175200 (d) 185250

**19.** 2727 ÷ 9 = _____

(a) 303 (b) 33

(c) 903 (d) 301

**20.** 4545 ÷ 9 = _____

(a) 405 (b) 505

(c) 503 (d) 603

**21.** 3087 ÷ 9 = _____

(a) 323 (b) 543

(c) 343 (d) 443

**22.** 3624 ÷ 12 = _____

(a) 313 (b) 613

(c) 302 (d) 333

**23.** If 4448 is divided by 5, leaves remainder as _____

(a) 4 (b) 3

(c) 1 (d) 2

**24.** If 1939 is divided by 3, leaves remainder _____

(a) 2 (b) 3

(c) 1 (d) 4

**25.** Double of 714 is _____

(a) 1248 (b) 1886

(c) 2186 (d) 1428

**26.** Half of 448 is _____

(a) 214 (b) 229
(c) 224 (d) 228

**27.** Square of 24 is _____

(a) 576 (b) 516
(c) 566 (d) 346

**28.** Square of 31 is _____

(a) 931 (b) 941
(c) 921 (d) 961

**29.** 23 × 23 + ☐ = 593

(a) 64 (b) 73
(c) 63 (d) 74

**30.** 29 × 29 – ☐ = 801

(a) 50 (b) 40
(c) 52 (d) 56

**31.** 7 times of 9 – square of 7 =

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

**32.** 9 times of 9 – square of 7 =

(a) 45 (b) 42
(c) 32 (d) 43

**33.** 8 times of 6 – square of 6 =

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

**34.** 13 times of 13 – square of 12 =

(a) 35 (b) 25
(c) 27 (d) 46

**35.** (95 × 100) – (12 × 100) =

(a) 8400 (b) 7300
(c) 8300 (d) 8100

**36.** (75 × 5) – (15 × 3) =

(a) 350 (b) 340
(c) 330 (d) 345

**37.** (17 × 7) – (14 × 8) =

(a) 6 (b) 4
(c) 8 (d) 7

**38.** (19 × 9) + (7 × 17) =

(a) 229 (b) 214
(c) 290 (d) 280

**39.** 12 times of 6 reduced by 2 times of 8 we get _____

(a) 76 (b) 66
(c) 56 (d) 86

**40.** 5 times of 8 increased by 4 times of 5 we get _____

(a) 100 (b) 60
(c) 50 (d) 20

## SECTION 2
## (Mental Maths Concepts)

**41.** A 4 digit even number more than 3600 but less than 4000. Find the sum of the smallest and greatest possible number.

(a) 7504 (b) 7600
(c) 7998 (d) 7990

**42.** W is 40 tens more than V. V is 10 hundred less than 7230, find the value of W.

(a) 6330 (b) 6630
(c) 6530 (d) 6930

**43.** Find smallest fraction among

(i) $\left(\frac{1}{4}+\frac{5}{4}\right)$ (ii) $\left(\frac{11}{4}-\frac{3}{4}\right)$

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

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

**44.** $6\overline{)6060}$

(a) 1011 (b) 1010
(c) 101 (d) 1001

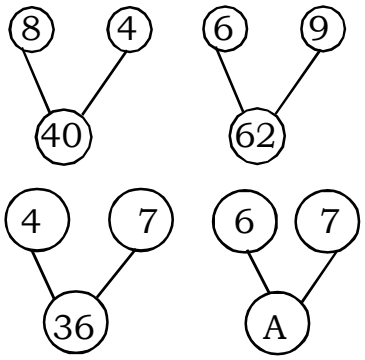
**45.** $100 - (\square \times 6) = 58$

(a) 8 (b) 9
(c) 5 (d) 7

**46.** A machine produces 70 pieces of goods in 1 hour? How many pieces it will produce in 30 mins?

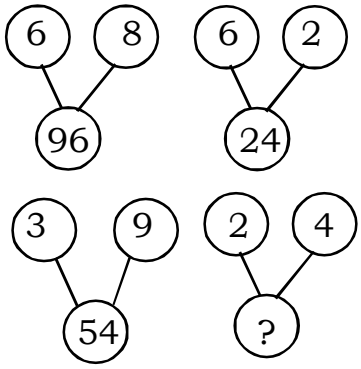
(a) 45 (b) 25
(c) 35 (d) 70

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




(a) 70 (b) 60
(c) 50 (d) 80

**48.**




(a) 24 (b) 20
(c) 16 (d) 18

**49.** P + Q = 25
P – Q = 45 Then P = ?

(a) 45 (b) 35
(c) 65 (d) 70

**50.** The sum of prime numbers between 40 and 60 is_____

(a) 263 (b) 243

(c) 273 (d) 253

**51.** There are _____ prime numbers between 40 and 70.

(a) 9 (b) 6

(c) 7 (d) 8

**52.** The sum of all divisor of 26 is _____

(a) 44 (b) 42

(c) 46 (d) 60

**53.** L.C.M. of 12 and 18 is _____

(a) 12 (b) 18

(c) 36 (d) 90

**54.** H.C.F. of 98 and 119 is _____

(a) 6 (b) 8

(c) 7 (d) 9

**55.** The sum of $6^{th}$ odd number and $7^{th}$ even number is _____

(a) 25 (b) 30

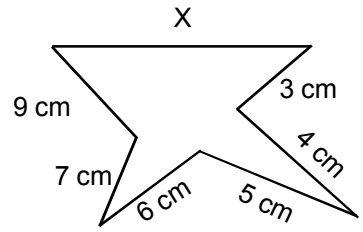
(c) 27 (d) 29

**56.** If $14^{th}$ April 2005 is Thursday then the day on $20^{th}$ May 2005 is _____

(a) Sunday (b) Friday

(c) Monday (d) Saturday

**57.**

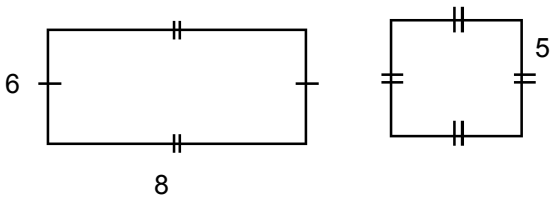



If perimeter of given figure is 42 cm find value of x.

(a) 8 cm (b) 10 cm

(c) 11 cm (d) 12 cm

**58.**




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

(a) 21 (b) 23

(c) 25 (d) 27

**59.** Subtract 51 tens from 67 hundreds. The place value of the digit 9 in the result is _____

(a) 9 units (b) 9 hundred

(c) 9 tens (d) 9 thousand

**60.** The product of 6 and 4 gives the same results as _____ divided by 5.

(a) 66 + 52 (b) 68 + 52

(c) 64 + 76 (d) 72 + 68

## SECTION 3 (Mental Maths Challenge)

**61.** Rohit made four times paper boats as Pranit. Pranit made twice as many paper boats as Amit.
If Pranit made 26 paper boats. How many paper boats did the three children make altogether?

(a) 133 (b) 143 (c) 146 (d) 153

**62.** $\Delta + \Delta + 24 = 70$
$\square + \Delta = 30$
$\Delta - \square = ?$

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

**63.** A farmer built a fence around his square plot. He used 24 fence pots on each side of a square. How many pots did he need altogether?

(a) 92 (b) 94 (c) 104 (d) 114

**64.** A stapler and a book cost ₹ 60. Sandeep bought 4 book for ₹ 60. How much did the stapler cost?

(a) ₹ 45 (b) ₹ 65 (c) ₹ 75 (d) ₹ 35

**65.** $463 - ♦ = 321 + ♦$
What can ♦ be?

(a) 61 (b) 71 (c) 81 (d) 91

**66.** Sonika separated 40 index cards by colours into four groups as follows:-

- ❖ 12 of them were blue
- ❖ 20% of index cards are yellow.
- ❖ 25% of the index cards were green.
- ❖ $\frac{1}{4}$ of the index cards were pink.

Which colour group contained the greatest number of cards.

(a) blue (b) green (c) yellow (d) pink

**67.** If D is the greatest 2 digit prime number then (D – 4) × 2 gives _____

(a) 184 (b) 186 (c) 188 (d) 190

**68.** Mimi took part in an exercise programme. She run for 480 seconds , walked for half an hour and swam for 30 minutes. For how many minutes she has finished an exercise programme?

(a) 68 min (b) 70 min (c) 72 min (d) 76 min

**69.** Johny is 15 years old. His cousin Sam is 12 years older than him. Find their total age in 10 years time.

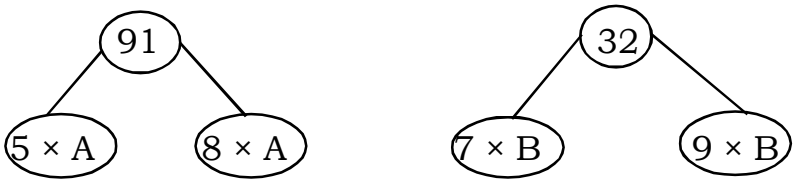
(a) 56 yrs (b) 58 yrs (c) 60 yrs (d) 62 yrs

**70.** If L = 4, M = L + 10, N = L – 1 Use DMAS

Then L + M × N = ?

(a) 46 (b) 48 (c) 52 (d) 56

**71.**




then A + B = ?

(a) 9 (b) 10 (c) 11 (d) 12

**72.** What will be 7th term of sequence below.

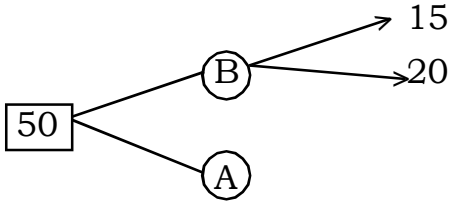
7, 13, 19, .....

(a) 37 (b) 43 (c) 49 (d) 55

**73.** The total age of Sanil and Rakhi is 37 years. Rakhi is 7 years younger than Sanil. How old was Sanil five years ago?

(a) 17 yrs (b) 18 yrs (c) 16 yrs (d) 19 yrs

**74.**




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

(a) 5 (b) 10 (c) 20 (d) 25

**75.** If $x + y^2 = 40$ if $y = 4$ find $x = ?$

(a) 24 (b) 28 (c) 16 (d) 26