SECTION 1 (Mental Maths Calculation)

1. 56785 + 78469 = _____
(a) 135264   (b) 132654
(c) 135254   (d) 132254

2. 67496 – 2163 = _____
(a) 65133   (b) 65333
(c) 65513   (d) 65533

3. 85689 + 469 = _____
(a) 86158   (b) 85168
(c) 86168   (d) 85178

4. 24863 – 378 = _____
(a) 24405   (b) 24485
(c) 26485   (d) 24475

5. 7345 + 4136 – 1789 = _____
(a) 9672   (b) 9862
(c) 9692   (d) 9762

6. 2748 + 679 – 796 = _____
(a) 2361   (b) 3731
(c) 3631   (d) 2631

7. 3781 – (399 + 590) = _____
(a) 2882   (b) 2892
(c) 2792   (d) 2782

8. (141 – 46) + (167 – 96) = _____
(a) 166   (b) 156
(c) 146   (d) 106

9. (171 – 47) + (59 + 87) = _____
(a) 250   (b) 270
(c) 280   (d) 260

10.
```
    3 8 9 7
+   2 1 8 3
+   1 2 6 9
+   1 8 9 8
+   1 9 6 7
_____
```
(a) 11214   (b) 11014
(c) 11412   (d) 11224

11.
```
    4 1 2 8
+   1 4 9 0
+   1 1 2 0
+   2 4 2 0
+   7 4 9 0
_____
```
(a) 15648   (b) 17648
(c) 16648   (d) 16748

12. $(27 + 38 + 96 + 89 + 77) + \boxed{}$
= 400
(a) 73   (b) 72
(c) 53   (d) 63

13. $(6 + 7 + 8 + 9 + 6) + \boxed{}$
= 40
(a) 5   (b) 8
(c) 4   (d) 6

14. $26 \times 25 = $ _____
(a) 250   (b) 650
(c) 625   (d) 51

15. $296 \times 76 = $ _____
(a) 22496   (b) 22596
(c) 22946   (d) 22096

16. $4148 \times 30 = $ _____
(a) 124410   (b) 124440
(c) 124740   (d) 144440

17. $2805 \times 15 = $ _____
(a) 42585   (b) 42985
(c) 42075   (d) 42175

18. $1686 \times 70 = $ _____
(a) 118090   (b) 118020
(c) 128030   (d) 128020

19. $225 \div 25 = $ _____
(a) 2   (b) 8
(c) 6   (d) 9

20. $1957 \div 19 = $ _____
(a) 113   (b) 103
(c) 93   (d) 123

21. $2189 \div 11 = $ _____
(a) 189   (b) 169
(c) 199   (d) 209

22. $2780 \div 4 = $ _____
(a) 665   (b) 675
(c) 695   (d) 685

23. If 1786 is divided by 14,
leaves remainder as _____
(a) 8   (b) 9
(c) 6   (d) 7

24. If 2489 is divided by 7,
leaves remainder _____
(a) 5   (b) 7
(c) 6   (d) 4

25. Double of 497 is _____
(a) 994   (b) 984
(c) 894   (d) 974

26. Half of 470 is _____
(a) 235   (b) 245
(c) 225   (d) 270

27. Square of 19 is _____
(a) 389   (b) 361
(c) 391   (d) 381

28. Square of 24 is _____
(a) 376   (b) 476
(c) 576   (d) 676

29. $7 \times 25 + \boxed{} = 300$
(a) 175   (b) 125
(c) 195   (d) 135

30. $6 \times 90 - \boxed{} = 400$
(a) 140   (b) 190
(c) 150   (d) 170

31. 19 times of 11 – square of 13 =
(a) 20   (b) 50
(c) 30   (d) 40

32. 12 times of 18 – square of 11 =
(a) 95   (b) 85
(c) 75   (d) 65

33. 16 times of 8 – square of 8 =
(a) 74   (b) 64
(c) 54   (d) 44

34. 5 times of 7 – square of 4 =
(a) 19   (b) 16
(c) 17   (d) 18

35. $(95 \times 98) - (91 \times 89) =$
(a) 1201   (b) 1212
(c) 1121   (d) 1211

36. $(45 \times 100) - (20 \times 14) =$
(a) 4220   (b) 4320
(c) 4120   (d) 4420

37. $(46 \times 75) - (35 \times 15) =$
(a) 2825   (b) 2925
(c) 2529   (d) 2125

38. $(75 \times 10) + (6 \times 50) =$
(a) 1050   (b) 1150
(c) 1250   (d) 1000

39. 6 times of 6 reduced by 4 times of 2 we get _____
(a) 28   (b) 14
(c) 18   (d) 16

40. 6 times of 17 increased by 15 times of 4 we get _____
(a) 172   (b) 162
(c) 152   (d) 142

SECTION 2
(Mental Maths Concepts)

41. A 3 digit even number more than 350 but less than 400. Find the sum of the smallest and greatest possible number.

(a) 748   (b) 750

(c) 752   (d) 700

42. W is 40 tens more than V. V is 10 hundred less than 7500, find the value of W.

(a) 7200   (b) 6500

(c) 6900   (d) 8900

43. Find smallest fraction among

(i) $\left(\dfrac{1}{3} + \dfrac{2}{3}\right)$ (ii) $\left(\dfrac{11}{4} - \dfrac{7}{4}\right)$

(iii) $\left(\dfrac{1}{2} + \dfrac{1}{4}\right)$ (iv) $\left(\dfrac{7}{8} - \dfrac{3}{4}\right)$

(a) i   (b) ii

(c) iii   (d) iv

44. $15\overline{)4545}$
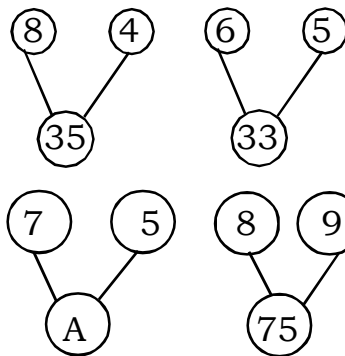
(a) 203   (b) 133

(c) 303   (d) 330

45. $141 - (\boxed{} \times 2) = 33$
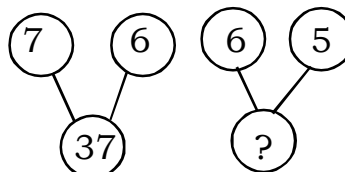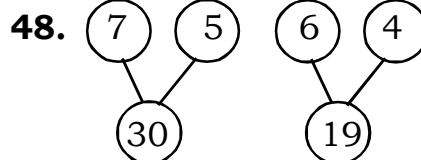
(a) 8   (b) 9

(c) 7   (d) 6

46. A machine produces 60 pieces of goods in 15 mins ? How many pieces it will produce in 48 mins?

(a) 162   (b) 172

(c) 192   (d) 182

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

(a) 47   (b) 38

(c) 52   (d) 35

48.

(a) 30   (b) 35

(c) 25   (d) 40

49. P + Q = 8

P – Q = 2   Then P = ?

(a) 2   (b) 6

(c) 4   (d) 5

50. The sum of prime numbers between 50 and 72 is_____
(a) 368   (b) 380
(c) 311   (d) 437

51. There are _____ prime numbers between 33 and 60.
(a) 5   (b) 6
(c) 7   (d) 4

52. The sum of all divisor of 91 is _____
(a) 91   (b) 102
(c) 112   (d) 92

53. L.C.M. of 8 and 12 is _____
(a) 24   (b) 96
(c) 26   (d) 20

54. H.C.F. of 15 and 30 is _____
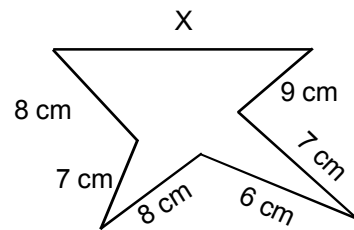(a) 1   (b) 15
(c) 30   (d) 20

55. The sum of 6th odd number and 8th even number is _____
(a) 31   (b) 29
(c) 42   (d) 27

56. If 11th April 2005 is Wednesday then the day on 24th June 2005 is _____
(a) Sunday   (b) Friday
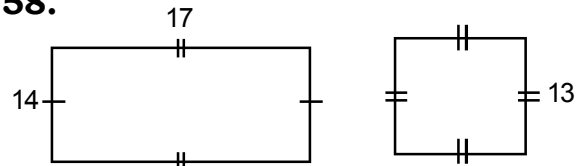(c) Monday   (d) Saturday

57.

If perimeter of given figure is 60 cm find value of x.
(a) 15 cm   (b) 12 cm
(c) 20 cm   (d) 10 cm

58.

The difference between area of rectangle & square is _____ sq unit.
(a) 89   (b) 69
(c) 79   (d) 59

59. Subtract 39 tens from 56 hundreds. The place value of the digit 2 in the result is _____
(a) 2 hundreds   (b) 2 tens
(c) 2 unit   (d) 2 thousand

60. The product of 4 and 3 gives the same results as _____ divided by 4.
(a) 6 + 24   (b) 16 + 18
(c) 20 + 28   (d) 16 + 20

SECTION 3 (Mental Maths Challenge)

61. $625 - \blacklozenge = 545 + \blacklozenge$
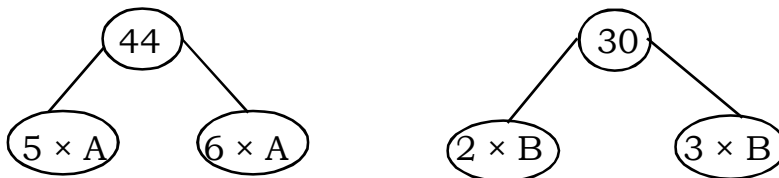
What can $\blacklozenge$ be?

(a) 80   (b) 40   (c) 60   (d) 100

62. $16 \times 6 - 5 \times 12 + 14 \times 2 - 3 \times 16 = ?$

(a) 16   (b) 20   (c) 12   (d) 24

63.

44 — $5 \times A$, $6 \times A$ 30 — $2 \times B$, $3 \times B$

then $A + B = ?$

(a) 8   (b) 9   (c) 12   (d) 14

64. A stapler and a book cost ₹ 181. Amit bought 3 book each for ₹ 27. How much did the stapler cost?

(a) ₹ 81   (b) ₹ 100   (c) ₹ 108   (d) ₹ 105

65. It takes 45 minutes to fly from town A to town B. It takes 8 times as much time to drive the same distance. How much time is needed to drive from town A to town B?

(a) 9 hrs   (b) 8 hrs   (c) 6 hrs   (d) 8 hrs

66. _____ less than 64 tens 25 ones is 425

(a) 20 tens 20 ones   (b) 20 tens 40 ones

(c) 40 tens 20 ones   (d) 20 tens.

67. Amita has 120 pink ribbons and some white and blue ribbon. There are 24 fewer pink ribbons than white ribbons and 85 more blue ribbons than pink ribbons. How many ribbons does Amita have altogether?

(a) 479   (b) 469   (c) 649   (d) 629

68. If L = 40, M = L + 34, N = L − 12   Use DMAS

Then L + M × N = ?

(a) 2121   (b) 2012   (c) 2112   (d) 2072

69. The total age of Ashok and Manali is 42 years. Manali is 8 years younger than Ashok. How old was Ashok five years ago?

(a) 17 yrs   (b) 16 yrs   (c) 15 yrs   (d) 20 yrs

70. Manish made three times paper boats as Arnav. Arnav made twice as many paper boats as Sujal.

If Arnav made 32 paper boats. How many paper boats did the three children make altogether?

(a) 96   (b) 144   (c) 72   (d) 78

71. If □ + □ + □ + □ = 160

and □ ÷ Δ = 4

find Δ + □ = ?

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

72. What will be 17th term of sequence below.

1, 5, 9, 13 , ...

(a) 69   (b) 65   (c) 68   (d) 61

73. In the following Sum of addition, the letters A, B, C and D. stands for certain digits. Two of the letters of the sum stands for a same digit. Which are they
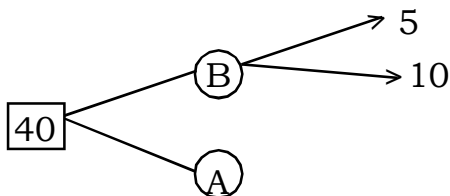
```
      1   6   A   2
  +   2   B   8   2
  +   1   4   1   C
      D   6   0   4
```

(a) B & D   (b) B & C   (c) A & C   (d) A & D

74. X + Y = 14

X + X + Y = 24   The value of Y is _____

(a) 14   (b) 3   (c) 10   (d) 4

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

```
40 ──┬── B ──→ 5
     │        └──→ 10
     └── A
```

(a) 25   (b) 20   (c) 10   (d) 15