SECTION 1 (Mental Maths Calculation)

1. 84364 + 52525 = _____

(a) 146889   (b) 137889

(c) 136889   (d) 147889

2. 87624 – 8956 = _____

(a) 78668   (b) 77668

(c) 77678   (d) 75668

3. 72419 + 867 = _____

(a) 73276   (b) 72276

(c) 73286   (d) 72286

4. 38674 – 9428 = _____

(a) 29256   (b) 29246

(c) 29146   (d) 28246

5. 8236 + 6231 – 600 = _____

(a) 12767   (b) 13767

(c) 12867   (d) 13867

6. 3357 + 3000 – 700 = _____

(a) 5657   (b) 5757

(c) 6657   (d) 6757

7. 3624 – (900 + 400) = _____

(a) 2224   (b) 2324

(c) 2424   (d) 3124

8. (100 – 73) + (100 – 23) = _____

(a) 94   (b) 104

(c) 124   (d) 114

9. (100 – 28) + (100 + 68) = _____

(a) 230   (b) 250

(c) 240   (d) 330

10.
```
      2 5 6 7
  +   1 6 0 3
  +   1 0 9 6
  +   1 3 7 1
  +   3 2 4 2
  _____
```
(a) 9879   (b) 9779

(c) 9869   (d) 9769

11.
```
      3 2 8 7
  +   1 2 6 3
  +   1 5 7 2
  +   1 4 2 5
  +   4 0 9 8
  _____
```
(a) 11545   (b) 10645

(c) 10545   (d) 11645

12. $(4 + 7 + 6 + 9 + 2 + 5) + \boxed{} = 60$

(a) 27   (b) 29

(c) 30   (d) 28

13. $(5 + 3 + 6 + 4 + 8) + \boxed{} = 45$

(a) 29   (b) 9

(c) 19   (d) 28

14. $34 \times 37 = $ _____

(a) 1268   (b) 1258

(c) 1168   (d) 1158

15. $26 \times 28 = $ _____

(a) 738   (b) 728

(c) 638   (d) 628

16. $4243 \times 40 = $ _____

(a) 168620   (b) 168720

(c) 169620   (d) 169720

17. $2904 \times 60 = $ _____

(a) 135240   (b) 175240

(c) 134240   (d) 174240

18. $4796 \times 80 = $ _____

(a) 383680   (b) 383780

(c) 382680   (d) 382780

19. $540 \div 60 = $ _____

(a) 90   (b) 19

(c) 9   (d) 8

20. $400 \div 25 = $ _____

(a) 24   (b) 16

(c) 14   (d) 18

21. $1950 \div 6 = $ _____

(a) 335   (b) 325

(c) 355   (d) 345

22. $4848 \div 8 = $ _____

(a) 66   (b) 666

(c) 606   (d) 660

23. If 1867 is divided by 6, leaves remainder as _____

(a) 0   (b) 2

(c) 3   (d) 1

24. If 4897 is divided by 5, leaves remainder _____

(a) 1   (b) 3

(c) 2   (d) 4

25. Double of 627 is _____

(a) 1354   (b) 1254

(c) 1344   (d) 1244

26. Half of 856 is _____
(a) 428   (b) 378
(c) 438   (d) 478

27. Square of 27 is _____
(a) 639   (b) 819
(c) 549   (d) 729

28. Square of 24 is _____
(a) 576   (b) 556
(c) 586   (d) 546

29. $8 \times 40 +$ ⬜ $= 600$
(a) 380   (b) 180
(c) 360   (d) 280

30. $6 \times 90 -$ ⬜ $= 490$
(a) 40   (b) 60
(c) 50   (d) 70

31. 8 times of 7 – square of 7 =
(a) 6   (b) 8
(c) 7   (d) 9

32. 5 times of 8 – square of 4 =
(a) 32   (b) 24
(c) 16   (d) 14

33. 7 times of 9 – square of 6 =
(a) 17   (b) 27
(c) 13   (d) 23

34. 4 times of 8 – square of 2 =
(a) 18   (b) 38
(c) 28   (d) 8

35. $(86 \times 100) - (91 \times 10) =$
(a) 380   (b) 1340
(c) 7690   (d) 8220

36. $(48 \times 40) - (32 \times 12) =$
(a) 1536   (b) 1426
(c) 1526   (d) 1436

37. $(38 \times 100) - (17 \times 10) =$
(a) 3730   (b) 3530
(c) 2100   (d) 3630

38. $(85 \times 10) + (13 \times 100) =$
(a) 550   (b) 450
(c) 2150   (d) 2250

39. 13 times of 7 reduced by 4 times of 6 we get _____
(a) 73   (b) 67
(c) 63   (d) 77

40. 6 times of 8 increased by 7 times of 9 we get _____
(a) 111   (b) 101
(c) 121   (d) 131

SECTION 2
(Mental Maths Concepts)

41. A 4 digit even number more than 5200 but less than 6000. Find the sum of the smallest and greatest possible number.

(a) 9000   (b) 11000
(c) 10000   (d) 11200

42. W is 40 tens more than V. V is 20 hundred less than 9860, find the value of W.

(a) 9800   (b) 9880
(c) 7800   (d) 7900

43. Find smallest fraction among

(i) $\left(\dfrac{11}{6} + \dfrac{1}{3}\right)$ (ii) $\left(\dfrac{14}{6} - \dfrac{5}{6}\right)$

(iii) $\left(\dfrac{1}{6} + \dfrac{7}{6}\right)$ (iv) $\left(\dfrac{5}{3} - \dfrac{1}{6}\right)$

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

44. $6\overline{)6060}$

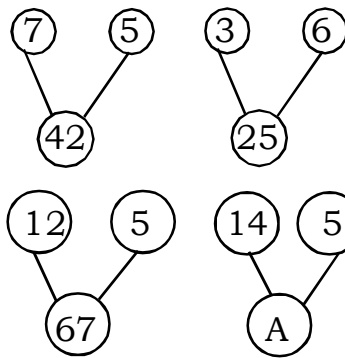(a) 101   (b) 1010
(c) 11   (d) 1001

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

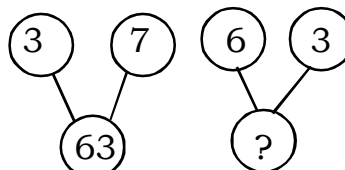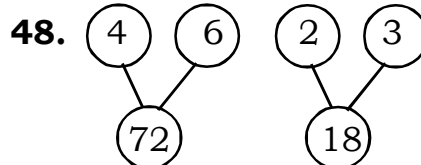(a) 10   (b) 3
(c) 1   (d) 63

46. A machine produces 64 pieces of goods in 1 hour? How many pieces it will produce in 15 mins?

(a) 32   (b) 18
(c) 16   (d) 21

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

⑦ ⑤ ③ ⑥
㊷ ㉕
⑫ ⑤ ⑭ ⑤
㊻67 Ⓐ

(a) 67   (b) 77
(c) 87   (d) 69

48. ④ ⑥ ② ③
�72 ⑱
③ ⑦ ⑥ ③
㊶63 ?

(a) 36   (b) 18
(c) 54   (d) 64

49. P + Q = 8
P – Q = 6   Then P = ?

(a) 6   (b) 8
(c) 7   (d) 9

50. The sum of prime numbers between 54 and 64 is_____
(a) 116   (b) 177
(c) 118   (d) 120

51. There are _____ prime numbers between 34 and 50.
(a) 6   (b) 5
(c) 3   (d) 4

52. The sum of all divisor of 36 is _____
(a) 91   (b) 107
(c) 55   (d) 54

53. L.C.M. of 15 and 10 is _____
(a) 30   (b) 60
(c) 150   (d) 90

54. H.C.F. of 24 and 32 is _____
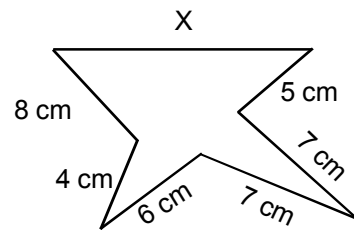(a) 12   (b) 8
(c) 24   (d) 4

55. The sum of 8th odd number and 19th even number is _____
(a) 55   (b) 56
(c) 53   (d) 54

56. If 2nd Febuary 2006 is Sunday then the day on 10th March 2006 is _____
(a) Friday   (b) Sunday
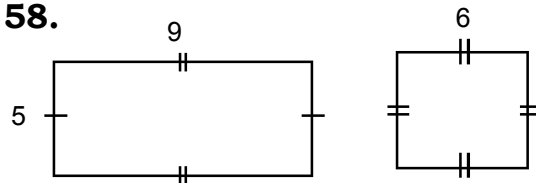(c) Saturday   (d) Tuesday

57.

If perimeter of given figure is 47 cm find value of x.
(a) 7 cm   (b) 9 cm
(c) 8 cm   (d) 10 cm

58.

The difference between area of rectangle & square is _____ sq unit.
(a) 9   (b) 10
(c) 7   (d) 8

59. Subtract 36 tens from 42 hundreds. The place value of the digit 4 in the result is _____
(a) 4 tens   (b) 5 thousand
(c) 4 unit   (d) 4 hundred

60. The product of 3 and 2 gives the same results as _____ divided by 4.
(a) 14 + 6   (b) 18 + 6
(c) 18 + 8   (d) 19 + 6

SECTION 3 (Mental Maths Challenge)

61. Ajay made three times paper boats as Sanjay. Sanjay made twice as many paper boats as Vijay.

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

(a) 184   (b) 192   (c) 320   (d) 144

62. A boy is 5 yrs 8 months old. His sister Anu is 2 years 6 months elder to him. How old is Anu.

(a) 7 yrs 2 months   (b) 3 years 2 months

(c) 8 yrs 2 months   (d) 8 years 4 months

63. If L = 9, M = L + 5, N = L – 7   [Use DMAS]

Then L + M × N = ?

(a) 25   (b) 37   (c) 30   (d) 107

64. If $\square + \square + \square + \square = 160$

and $\square \div \Delta = 8$

find $\Delta + \square = ?$

(a) 58   (b) 48   (c) 45   (d) 55

65. The total age of Sunil and Sonali is 20 years. Sonali is 8 years younger than Sunil. How old was Sunil six years ago?

(a) 8 yrs   (b) 6 yrs   (c) 10 yrs   (d) 12 yrs

66. Sarika separated 48 index cards by colours into four groups as follows:-

   ❖   8 of them were blue

   ❖   25% of index cards are yellow.

   ❖ $\dfrac{1}{4}$ of the index cards were green.

   ❖ $\dfrac{1}{3}$ of the index cards were pink.

Which colour group contained the greatest number of cards.

(a) Blue   (b) Yellow   (c) Green   (d) Pink
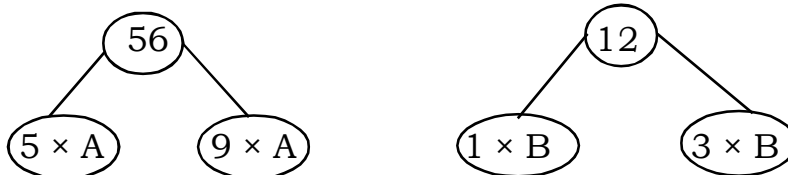
67. 26 ☐ 5 ☐ 6 ☐ 4 = 45

Put proper sign out of (+, − , × , ÷) to get required answer.

(a) − + ×   (b) + − ×   (c) − × +   (d) + × −

68. A farmer built a fence around his square plot. He used 37 fence pots on each side of a square. How many pots did he need altogether?

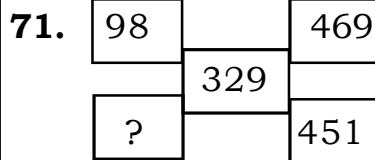(a) 138   (b) 152   (c) 144   (d) 148

69.

56 → (5 × A) , (9 × A)

12 → (1 × B) , (3 × B)

then A + B = ?

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

70. If $x + y^2 = 270$, if $y = 14$ find x = ?

(a) 62   (b) 72   (c) 74   (d) 84

71.

98		469
	329	
?		451

If the sum of the numbers in each diagonal is equal. Find the missing number in box?

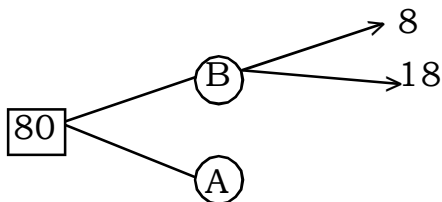(a) 69 (b) 70 (c) 79 (d) 80

72. X + Y = 46

X + X + Y = 76 The value of y is _____

(a) 16 (b) 26 (c) 36 (d) 46

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

(a) 18 (b) 28 (c) 38 (d) 48

74. Which of the following comparsion is not correct?

(a) CCX = CCXX (b) CXXX < CCX

(c) CX < XXX (d) CCIX < CCXI

75. What will be 5th term of sequence below.

97, 92, 87, ...

(a) 77 (b) 82 (c) 83 (d) 72