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MENTAL MATHS COMPETITION

Std. - 5

Total Marks : 200

Time : 90 min

Total No of questions: 100

Topics Included.

- (1) Q. No. 1 to 50 are based on basic. Calculation questions related to Addition, Subtraction, multiplication and division, doubling and halving.
- (2) Student should know multiplication tables from 2 to 12.
- (3) 3 digit, 4 digit Nos. [EXPANDED FORM]
- (4) Place value of digit in given nos. [3 digit, 4 digit nos]
- (5) Odd and even (2 digit, 3 digit nos], prime number from 1 to 100
- (6) Mixed operations (MULTIPLICATION, DIVISION)
- (7) Formation of smallest, largest nos. with given digits.
- (8) Number series (WHAT COMES NEXT)
- (9) Roman Numbers (FROM 1 to 100)
- (10) Perimeter of square and rectangle.
- (10) Conversions: Year → month, week → days, k.g → grms
L → ml, k.m → m, m → c.m.
dozens → units

Instructions for the Competition

1. Time : $1\frac{1}{2}$ hr
2. Students can use HB Pencil for marking answers in the given OMR sheet.
3. Result of the Competition will be declared on 16th November, 2011.
Results will be conveyed to parents by SMS and displayed on our website.
4. Every participant will be given certificate of participation.
5. Winners [rank 1 to rank 10] from each std. will be feliciated with Trophies or Medals in a specially arranged Award Function.



- (1) The double of 45 + half of 30 = _____
(A) 110 (B) 105 (C) 106 (D) 104
- (2) Half of 200 – double of 45 = _____
(A) 10 (B) 20 (C) 30 (D) 5
- (3) The sum of product of (7×8) and (4×9) is _____
(A) 90 (B) 91 (C) 92 (D) 93
- (4) The difference in the half of 36 and double of 8 is _____
(A) 4 (B) 2 (C) 5 (D) 6
- (5) Find the difference between greatest and smallest four digit number form by using digit 4, 0, 2, 8 only once.
(A) 6372 (B) 6732 (C) 6352 (D) 6362
- (6) The sum of even nos between 461 to 467 is _____
(A) 1393 (B) 1392 (C) 1394 (D) 1390
- (7) Add the difference between 7000 and 4824 to 3333 we get.
(A) 5512 (B) 5508 (C) 5510 (D) 5509
- (8) $9125 - 4768 + 3469 =$ _____
(A) 7826 (B) 7827 (C) 7828 (D) 7825
- (9) $8135 - \boxed{} = 6336$
(A) 1798 (B) 1799 (C) 1795 (D) 1797
- (10) 40 more than difference between 340 and 114 is _____
(A) 266 (B) 256 (C) 265 (D) 264
- (11) $(8 \times 9) + (9 \times 6) - (4 \times 6) =$
(A) 101 (B) 104 (C) 102 (D) 103
- (12) 95 less than product of 60 and 6 is _____
(A) 266 (B) 265 (C) 256 (D) 276
- (13) 82 more than double of 256 is _____
(A) 592 (B) 590 (C) 591 (D) 594



- (14) 69 less than three times of 40 is _____
(A) 49 (B) 51 (C) 50 (D) 52
- (15) $(463 \times 10) - (45 \times 10) =$ _____
(A) 4072 (B) 4082 (C) 4070 (D) 4180
- (16) $(95 \times 100) + (85 \times 10) =$ _____
(A) 10350 (B) 10351 (C) 10349 (D) 10340
- (17) $666 \div 6 =$ _____
(A) 121 (B) 111 (C) 11 (D) 6
- (18) $8088 \div 8 =$ _____
(A) 8 (B) 1011 (C) 111 (D) 11
- (19) $366 \div 6 =$ _____
(A) 61 (B) 62 (C) 36 (D) 16
- (20) $685 \div 5 =$ _____
(A) 139 (B) 138 (C) 137 (D) 140
- (21) $6510 \div 3 =$ _____
(A) 2170 (B) 2770 (C) 2270 (D) 2172
- (22) When 98989 is divided by 2 the remainder is _____
(A) 0 (B) 1 (C) 2 (D) 9
- (23) $5 \times 20 \times \square = 600$
(A) 3 (B) 4 (C) 5 (D) 6
- (24) $50 - 15 + \square = 85$
(A) 30 (B) 40 (C) 50 (D) 60
- (25) $59 - (6 \times 6) =$ _____
(A) 22 (B) 24 (C) 23 (D) 26
- (26) $18 - (4 + 4 + 4) =$ _____
(A) 3 (B) 4 (C) 6 (D) 5



(27) Twelve times 4 reduced by 3 times 6 we get _____
(A) 10 (B) 20 (C) 40 (D) 30

(28) $12 \times 2 = 12 \times 4 - \square$
(A) 12 (B) 6 (C) 24 (D) 4

(29) $8 \times 6 = 10 \times 5 - \square$
(A) 1 (B) 2 (C) 0 (D) 3

(30) $35 \div 5 = 49 \div \square$
(A) 5 (B) 6 (C) 8 (D) 7

(31) $6 \times \square = 8 + (8 \times 2)$
(A) 4 (B) 5 (C) 8 (D) 2

(32) (largest 3 digit number) $\div 9 = \square$
(A) 9 (B) 111 (C) 11 (D) 100

(33) (smallest 4 digit number) $\div 5 = \square$
(A) 20 (B) 200 (C) 2000 (D) 100

(34) square of 5 – square of 4 = $\square$
(A) 7 (B) 6 (C) 9 (D) 8

(35) square of 10 + square of 8 = $\square$
(A) 164 (B) 165 (C) 163 (D) 16

(36) square of 4 + square of 3 = $\square$
(A) 7 (B) 8 (C) 24 (D) 25

(37) square of 9 + square of 8 = $\square$
(A) 144 (B) 145 (C) 72 (D) 361

(38) Add 5 times 8 with three times 8 we get $\square$
(A) 66 (B) 64 (C) 65 (D) 70

(39) $(28 + 28 + 28) \div 3 = \square$
(A) 3 (B) 8 (C) 2 (D) 28



- (40) How many 20 are there in 100
(A) 5 (B) 4 (C) 10 (D) 20
- (41) $40 - (\square \times 2) = 0$
(A) 10 (B) 20 (C) 40 (D) 5
- (42) $240 + \square - 40 = 200$
(A) 1 (B) 0 (C) 2 (D) 200
- (43) $\frac{4 \times 13 - 2 \times 2}{6 \times 3 - 6} = \square$
(A) 1 (B) 2 (C) 6 (D) 4
- (44) $\frac{6 \times 3 - 2 \times 7}{6 \times 5 - 4 \times 7} = \square$
(A) 2 (B) 3 (C) 1 (D) 0
- (45) $(40 \div 2 + 0 \div 40) = \square$
(A) 10 (B) 20 (C) 30 (D) 40
- (46) $2 \overline{)2020} = \square$
(A) 101 (B) 100 (C) 10 (D) 1010
- (47) $9 \overline{)6264} = \square$
(A) 696 (B) 969 (C) 666 (D) 66
- (48) Find the difference in the place value of 4 in 42465
(A) 39404 (B) 9600 (C) 39600 (D) 36900
- (49) Find the difference in the place value of 3 in 73723
(A) 2000 (B) 2797 (C) 3528 (D) 2997
- (50) Use digit 3, 4, 1, 0 and form greatest and smallest four digit no., their total is _____
(A) 5344 (B) 5434 (C) 5354 (D) 5000
- (51) 2 ten thousand = _____ hundreds.
(A) 100 (B) 200 (C) 20 (D) 2

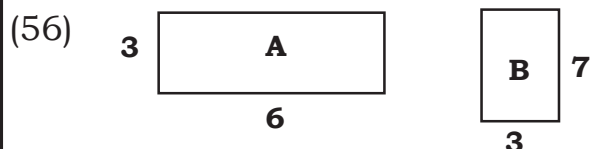


(52) Place Value of 5 in 5219 is _____
(A) 50 (B) 500 (C) 5 (D) 5000

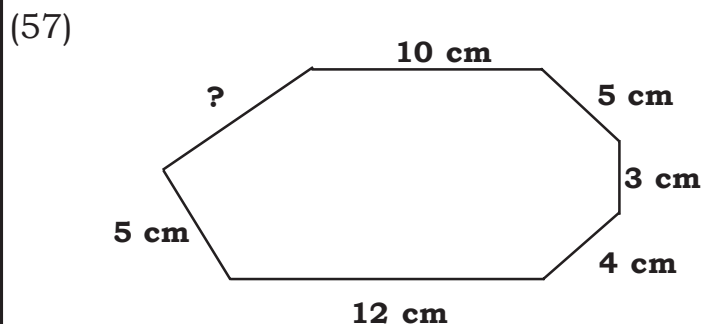
(53) Place value of 3 in 1039 is _____
(A) 3000 (B) 3 (C) 30 (D) 300

(54) The greatest 3 digit even number is _____
(A) 98 (B) 998 (C) 100 (D) 900

(55) The smallest 4 digit odd number is _____
(A) 1000 (B) 1001 (C) 1003 (D) 9999

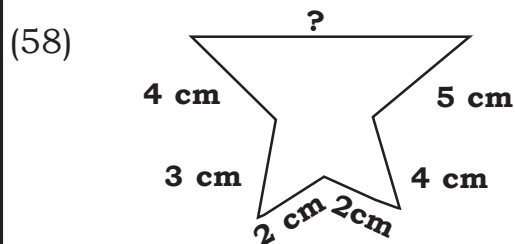


The difference between perimeter of rectangle A and B is _____
(A) 1 (B) 2 (C) 3 (D) 4



If perimeter is 43 cm find = ?

(A) 1 (B) 3 (C) 4 (D) 2



If perimeter is 26 cm find = ?

(A) 10 (B) 20 (C) 6 (D) 8

(59) What comes next:- 17757, 17767, 17777,
(A) 17787 (B) 17187 (C) 177877 (D) 7777

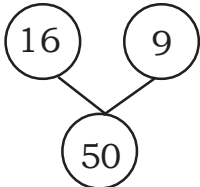
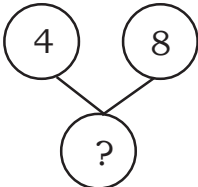
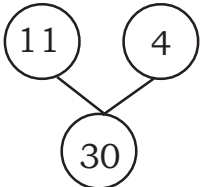
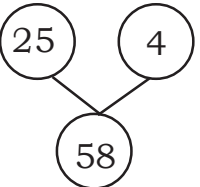


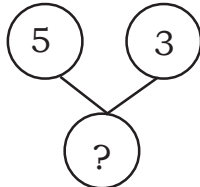
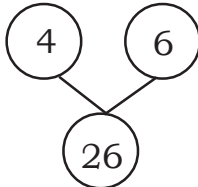
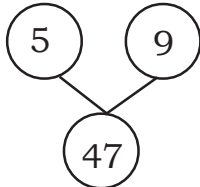
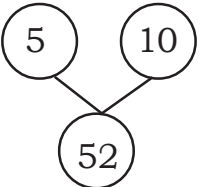
(60) What comes next:- 99945, 99950, 99955, 99960, 99965,
(A) 99985 (B) 99085 (C) 99975 (D) 99970

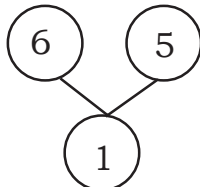
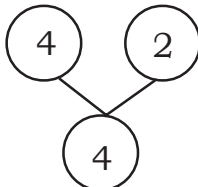
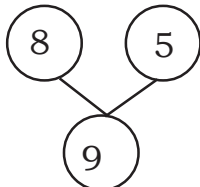
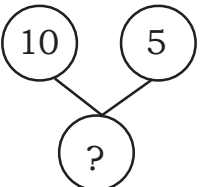
(61) What comes next:- 8800, 8875, 8950,
(A) 8925 (B) 8935 (C) 8915 (D) 9025

(62) What comes next:- 31261, 31211, 31161,
(A) 3111 (B) 31111 (C) 311111 (D) 31313

(63) What comes next:- 55555, 55550, 55545,
(A) 55540 (B) 55546 (C) 55565 (D) 54540

(64)    
(A) 12 (B) 44 (C) 24 (D) 26

(65)    
(A) 17 (B) 15 (C) 2 (D) 52

(66)    
(A) 31 (B) 25 (C) 50 (D) 10

(67) $A + B = 7$
 $A - B = 1$ Then $A = \square$
(A) 4 (B) 8 (C) 5 (D) 6



- (68) $P + Q = 9$
 $P - Q = 3$ Then $P = \square$
(A) 4 (B) 5 (C) 6 (D) 7
- (69) The sum of prime nos. between 60 to 70 is _____
(A) 128 (B) 130 (C) 155 (D) 128
- (70) There are _____ prime nos. between 20 to 40.
(A) 3 (B) 6 (C) 5 (D) 4
- (71) The sum of all divisor of 36 is _____
(A) 90 (B) 91 (C) 92 (D) 93
- (72) The lowest common multiple of 16 and 18 is _____
(A) 16 (B) 18 (C) 144 (D) 1
- (73) The H.C.F. of 7 and 9 is _____
(A) 1 (B) 2 (C) 7 (D) 9
- (74) $2.14 + 2.07 + 2.9 =$ _____
(A) 7.11 (B) 7.01 (C) 7.7 (D) 7.1
- (75) $4.321 + 3.62 + 8.3 =$ _____
(A) 16 (B) 16.22 (C) 61.214 (D) 16.241
- (76) $7.43 + 2.9 - 1.32 =$ _____
(A) 9.101 (B) 9.10 (C) 9.01 (D) 9.11
- (77) $8.0 + 2.3 + 4.3 =$ _____
(A) 14.6 (B) 14.5 (C) 14.3 (D) 14.4
- (78) Fifth odd no after 39 is = _____
(A) 47 (B) 49 (C) 51 (D) 43
- (79) Seventh even no before 72 is = _____
(A) 60 (B) 54 (C) 58 (D) 56
- (80) Sum of 9th odd no and 7th even number is _____
(A) 31 (B) 33 (C) 29 (D) 35



(81) $\left(\frac{6}{7} + \frac{4}{7} + \frac{2}{7}\right) - \left(\frac{3}{7}\right) = \underline{\hspace{2cm}}$

(A) $\frac{7}{9}$

(B) $\frac{9}{7}$

(C) 7

(D) 9

(82) $\left(\frac{3}{8} + \frac{4}{8} + \frac{6}{8}\right) - \left(\frac{2}{8} + \frac{2}{8}\right) = \underline{\hspace{2cm}}$

(A) $\frac{8}{9}$

(B) $\frac{9}{8}$

(C) 8

(D) 9

(83) $\frac{4}{5} = \frac{24}{\square}$

(A) 30

(B) 25

(C) 35

(D) 5

(84) $\frac{9}{12} = \frac{\square}{48}$

(A) 30

(B) 44

(C) 56

(D) 36

(85) $\frac{\square}{7} = \frac{16}{28}$

(A) 1

(B) 4

(C) 3

(D) 2

(86) $22^2 - 21^2 = \underline{\hspace{2cm}}$

(A) 43

(B) 44

(C) 45

(D) 40

(87) $7^2 + 8^2 + 5^2 = \underline{\hspace{2cm}}$

(A) 137

(B) 136

(C) 138

(D) 135

(88) $25^2 - 16^2 = \underline{\hspace{2cm}}$

(A) 68

(B) 9

(C) 39

(D) 369

(89) $80^2 - 40^2 = \underline{\hspace{2cm}}$

(A) 40

(B) 480

(C) 4800

(D) 48

(90) $8^2 + 8^2 = 200 - \square$

(A) 70

(B) 16

(C) 62

(D) 72



- (91) If 26th Jan 2008 is Sunday what is a date of next Sunday.
(A) 2nd Feb (B) 3rd Feb (C) 1st Feb (D) 4thFeb
- (92) If 22nd March 2008 is Wednesday than 14th April 2009 is _____
(A) Friday (B) Monday (C) Thrusday (D) Tuesday
- (93) 5 kg 800 gram = _____ grms
(A) 5800 (B) 58 (C) 85 (D) 580
- (94) 8000 ml = _____ l
(A) 80 (B) 800 (C) 8 (D) 88
- (95) 400 cm = _____ m
(A) 4 (B) 1 (C) 40 (D) 44
- (96) 7 hours 40 min = _____ min
(A) 470 (B) 740 (C) 460 (D) 147
- (97) 119 days = _____ weeks
(A) 18 (B) 17 (C) 16 (D) 15
- (98) XXXI – XVII = _____
(A) 12 (B) 13 (C) 14 (D) 20
- (99) XLI + XLIII = _____
(A) 80 (B) 84 (C) 44 (D) 50
- (100) (XXI – IV) + (IV) is equal to = _____
(A) 20 (B) 21 (C) 22 (D) 23

Answers

1 - B, 2 - A, 3 - C, 4 - B, 5 - A, 6 - B, 7- D, 8 - A, 9 - B, 10- A, 11 - C , 12 - B, 13 - B, 14 - B, 15 -D, 16 - A, 17 -B, 18 - B, 19- A, 20- C, 21 -A, 22 - B, 23- D, 24 - C, 25 - C, 26 - C, 27 - D, 28- C, 29 - B, 30 - D, 31- A, 32 - B, 33- B, 34 - C, 35 - A, 36 - D, 37 - B, 38 - B, 39 - D, 40 - A, 41- B, 42 - B, 43 - D, 44 - A, 45 - B, 46 - D, 47 - A, 48 - C, 49 - D, 50 - A, 51 - B, 52- D, 53 - C, 54 - B, 55 - B, 56 - B, 57- C, 58 - C, 59 - A, 60 - D, 61- D, 62 - C, 63 - A, 64 - C, 65 - A, 66 - B, 67 - A, 68 - C, 69 -A, 70- D, 71 - B, 72 - C, 73 - A, 74 - A , 75 - D, 76 - C, 77 - A, 78 - B, 79- C, 80 - A, 81 - B, 82 - B, 83 - A, 84 - D, 85 - B, 86 - A, 87 - C, 88 - D, 89 - C, 90 - D, 91 - A, 92 - A, 93 - A, 94 - C, 95 - A, 96 - C, 97 - B, 98 - C, 99 - B, 100 - B.