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MENTAL MATHS COMPETITION

Std. - 6

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) Odd and even (2 digit, 3 digit nos]
- (4) Mixed operations (MULTIPLICATION, DIVISION)
- (5) L.C.M & H.C.F.
- (6) Fractions, Decimals, (Add, Subtract, Multiply, Divide)
- (7) Find day and date in a given calender year.
- (8) Calculation of percentage.
- (9) Roman Numbers (FROM 1 to 100)
- (10) Conversions: Year → month, week → days k.g → grms
L → ml k.m → m m → c.m.
dozens → units
- (11) Area and perimeter of square and rectangle.

Instructions for the Competition

1. Time : $1\frac{1}{2}$ hr
2. Students can use HB Pencil for marking answers in 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) $32 \times 5 =$
(A) 180 (B) 150 (C) 160 (D) 310
- (2) $24 \times 8 =$
(A) 192 (B) 162 (C) 152 (D) 202
- (3) $65 \times 4 =$
(A) 260 (B) 140 (C) 320 (D) 190
- (4) $53 \times 82 =$
(A) 4446 (B) 4346 (C) 4046 (D) 4356
- (5) $27 \times 85 =$
(A) 2295 (B) 2095 (C) 2195 (D) 2395
- (6) $3245 \div 5 =$
(A) 650 (B) 648 (C) 649 (D) 652
- (7) $4438 \div 7 =$
(A) 630 (B) 634 (C) 635 (D) 643
- (8) $(3 \times 8) + (5 \times 12) =$
(A) 94 (B) 64 (C) 24 (D) 84
- (9) $(8 \times 7) - (5 \times 7) =$
(A) 26 (B) 21 (C) 31 (D) 41
- (10) $3762 \times 11 =$
(A) 41382 (B) 13482 (C) 42380 (D) 41386
- (11) $8169 \div 3 =$
(A) 2323 (B) 2700 (C) 2723 (D) 2703
- (12) $9000 - 7982 =$
(A) 2018 (B) 1018 (C) 998 (D) 118
- (13) If 6448 is divided by 8 then quotient is.
(A) 86 (B) 808 (C) 806 (D) 44



- (14) If 1032 is multiplied by 8, the product is
(A) 8146 (B) 8156 (C) 8256 (D) 8118
- (15) What number must be subtracted from 5927 to get 3297
(A) 2630 (B) 3250 (C) 2160 (D) 1520
- (16) Find the number must be subtracted from 51920 to obtain 1234
(A) 40486 (B) 40686 (C) 50486 (D) 50686
- (17) $2985 \times 11 =$
(A) 32835 (B) 23835 (C) 33835 (D) 34835
- (18) $\square \times 100 = 7500$
(A) 57 (B) 75 (C) 25 (D) 55
- (19) $2222 \times 1000 =$
(A) 222000 (B) 222200 (C) 2222000 (D) 202020
- (20) $3924 \div 3 =$
(A) 1828 (B) 1208 (C) 1308 (D) 1228
- (21) $1224 \div 12 =$
(A) 102 (B) 12 (C) 120 (D) 24
- (22) $3580 \div 5 =$
(A) 775 (B) 671 (C) 761 (D) 716
- (23) $6060 \div 10$ gives the quotient
(A) 66 (B) 660 (C) 606 (D) 1000
- (24) $3,96,000 \div 100$ gives the quotient
(A) 3960 (B) 39600 (C) 396 (D) 39060
- (25) 5000 divided by 50 is equal to
(A) 50 (B) 100 (C) 150 (D) 505
- (26) $1927 \div 3$ leaves the remainder
(A) 0 (B) 1 (C) 2 (D) 3



(27) $1268 \div 2 =$

(A) 631

(B) 632

(C) 633

(D) 634

(28) $60060 \div 6$ gives the quotient.

(A) 1000

(B) 10010

(C) 11010

(D) 101

(29) 10% of 550 =

(A) 500

(B) 5

(C) 55

(D) 50

(30) 20% of 290 =

(A) 58

(B) 59

(C) 61

(D) 50

(31) 10% of 360 =

(A) 60

(B) 36

(C) 360

(D) 100

(32) 20% of 800 =

(A) 40

(B) 160

(C) 80

(D) 106

(33) 5% of 240 =

(A) 12

(B) 120

(C) 24

(D) 48

(34) 20% of 370 =

(A) 47

(B) 74

(C) 36

(D) 72

(35) 5% of 800 =

(A) 80

(B) 40

(C) 160

(D) 8

(36) 10 % of 2100 =

(A) 201

(B) 21

(C) 210

(D) 2100

(37) 20% of 3900 =

(A) 930

(B) 390

(C) 870

(D) 780

(38) 5% of 2200 =

(A) 11

(B) 101

(C) 110

(D) 44

(39) 5% of 300 + 10% of 390 =

(A) 50

(B) 54

(C) 39

(D) 30



- (40) 20% of 100 + 10% of 100 =
(A) 10 (B) 20 (C) 30 (D) 40
- (41) 5% of 800 + 10% of 800 =
(A) 80 (B) 40 (C) 120 (D) 160
- (42) 10% of 300 + 20% of 30 =
(A) 30 (B) 36 (C) 33 (D) 34
- (43) 5% of 160 – 10% of 40 =
(A) 8 (B) 4 (C) 10 (D) 40
- (44) 20% of 500 – 5% of 200 =
(A) 110 (B) 100 (C) 90 (D) 80
- (45) 7th even no. after 360 is _____
(A) 372 (B) 374 (C) 376 (D) 370
- (46) 6th odd no. after 145 is _____
(A) 157 (B) 159 (C) 155 (D) 161
- (47) 9th even no. after 196 is _____
(A) 214 (B) 212 (C) 210 (D) 216
- (48) 10th odd no. after 201 is _____
(A) 212 (B) 223 (C) 219 (D) 221
- (49) 12th even no. after 120 is _____
(A) 146 (B) 144 (C) 148 (D) 150
- (50) L.C.M. of 40 & 50 is
(A) 50 (B) 40 (C) 100 (D) 200
- (51) L.C.M. of 20 and 36 is
(A) 180 (B) 200 (C) 20 (D) 36
- (52) H.C.F. of 36 and 24 is
(A) 12 (B) 24 (C) 36 (D) 4



- (53) H.C.F. of 16 and 20 is
(A) 20 (B) 16 (C) 5 (D) 8
- (54) $\frac{9}{10}$ written in decimal form is equal to
(A) 0.09 (B) 0.9 (C) 9.0 (D) 0.009
- (55) $(3.65 + 2.95) =$ _____
(A) 6.60 (B) 6.66 (C) 5.6 (D) 4.60
- (56) $82.5 - 19.2 =$
(A) 63.6 (B) 63.7 (C) 63 (D) 63.3
- (57) $\frac{1}{10} + \frac{3}{10} + \frac{5}{10} =$
(A) 9.9 (B) 9 (C) 0.009 (D) 0.9
- (58) $\frac{3}{10} + \frac{5}{10} - \frac{1}{10} =$
(A) 7.7 (B) 7.0 (C) 0.7 (D) 0.007
- (59) $\frac{5}{17}, \frac{2}{17}, \frac{11}{17}, \frac{9}{17}$ which of the fractions is the smallest.
(A) $\frac{5}{17}$ (B) $\frac{2}{17}$ (C) $\frac{11}{17}$ (D) $\frac{9}{17}$
- (60) $\left(\frac{3}{5} + \frac{4}{5}\right) - \left(\frac{1}{5}\right)$
(A) $\frac{6}{5}$ (B) $\frac{5}{6}$ (C) $\frac{33}{5}$ (D) $\frac{36}{55}$
- (61) The difference between $\frac{7}{15}$ and $\frac{2}{15}$ is equal to
(A) $\frac{9}{15}$ (B) 15 (C) 5 (D) $\frac{1}{3}$



(62) $10^2 - 8^2 =$ _____

- (A) 18 (B) 2 (C) 63 (D) 36

(63) $12^2 + 5^2 =$ _____

- (A) 118 (B) 17 (C) 169 (D) 120

(64) $16^2 - 11^2 =$ _____

- (A) 135 (B) 136 (C) 153 (D) 5

(65) $8^2 + 5^2 + 4^2 - 9^2 =$ _____

- (A) 23 (B) 24 (C) 22 (D) 21

(66) 120 min = _____ sec

- (A) 720 (B) 7200 (C) 4800 (D) 12000

(67) 3 hrs. 20 min = _____ min

- (A) 200 (B) 320 (C) 300 (D) 340

(68) 60 min = _____ sec

- (A) 3300 (B) 3400 (C) 3500 (D) 3600

(69) 6 hrs _____ min = 400 min

- (A) 40 (B) 50 (C) 60 (D) 100

(70)

	hrs	min	sec
	18	37	22
-	5	15	25

- (A) 12-21-57 (B) 13-22-03 (C) 13-21-57 (D) 13-22-04

(71) The side of a square is 15 cm. Its perimeter is _____

- (A) 40 (B) 60 (C) 30 (D) 15

(72) The length of a rectangle is 18 and its breadth is 2 less than length. Its perimeter is _____

- (A) 66 (B) 68 (C) 32 (D) 70



- (73) The perimeter of rectangle is 50 cm its length is 13 cm. Its breadth is _____
(A) 26 (B) 12 (C) 24 (D) 6
- (74) The perimeter of square is 60 cm. Its side is _____ cm.
(A) 6 (B) 10 (C) 60 (D) 15
- (75) 5 m = _____ mm
(A) 5000 (B) 50 (C) 500 (D) 50,000
- (76) 20 km = _____ m
(A) 1000 (B) 2000 (C) 20000 (D) 200
- (77) 15 L = _____ ml
(A) 1500 (B) 15000 (C) 150 (D) 15
- (78) 15 kg 300 gm = _____ gm
(A) 153 (B) 15,300 (C) 53 (D) 35
- (79) 16000 gm = _____ kg
(A) 16 (B) 1.6 (C) 160 (D) 1600
- (80) 200 m = _____ cm
(A) 200 (B) 20 (C) 2000 (D) 20000
- (81) Length of rectangle is 5 cm and its breadth is 4 cm. Its area is _____ sqcm
(A) 20 (B) 24 (C) 25 (D) 22
- (82) Length of square is 4 cm. Its area is _____
(A) 40 (B) 100 (C) 16 (D) 400
- (83) If 12th of a month is Monday, then 19th of that month is _____
(A) Sunday (B) Monday (C) Tuesday (D) Wednesday
- (84) If 7th day of month is Saturday, then the last Monday of that month falls on _____ day.
(A) 27 (B) 28 (C) 29 (D) 30



(85) If 12th November 2010 was Friday, then the day on 25th December 2010 was
(A) Thursday (B) Saturday (C) Friday (D) Tuesday

(86) $5\frac{3}{5} = \underline{\hspace{2cm}}$

- (A) $\frac{28}{5}$ (B) $\frac{20}{5}$ (C) $\frac{27}{5}$ (D) $\frac{29}{5}$

(87) $2\frac{3}{100} = \underline{\hspace{2cm}}$

- (A) $\frac{300}{100}$ (B) $\frac{202}{100}$ (C) $\frac{220}{100}$ (D) $\frac{203}{100}$

(88) $36 - 15 = \underline{\hspace{2cm}}$ In roman Numeral the correct answer is
(A) XIX (B) XXI (C) XIXI (D) XXII

(89) The successor of XVI is $\underline{\hspace{2cm}}$
(A) 17 (B) 16 (C) 18 (D) 19

(90) $XV + XV = \underline{\hspace{2cm}}$
(A) XXX (B) XX (C) XIX (D) XXXX

(91) $L + XIV = \underline{\hspace{2cm}}$
(A) LXIV (B) XLIV (C) XLIV (D) LXXIV

(92) $XL + LX = \underline{\hspace{2cm}}$
(A) C (B) D (C) M (D) LXX

(93) $\frac{7}{9} = \frac{49}{\square}$
(A) 9 (B) 7 (C) 63 (D) 36

(94) $\frac{5}{12} = \frac{30}{\square}$
(A) 60 (B) 75 (C) 150 (D) 72



- (95) $\frac{3}{8} = \frac{\square}{64}$
(A) 9 (B) 15 (C) 118 (D) 24
- (96) What comes next: 310, 420, 530, 640 _____
(A) 740 (B) 750 (C) 730 (D) 760
- (97) What comes next: 6, 26, 46, 66, _____
(A) 86 (B) 66 (C) 76 (D) 96
- (98) 50 min past 6 = _____ minutes to 7
(A) 40 (B) 10 (C) 50 (D) 30
- (99) 44 min past 7 = _____ minutes to 8
(A) 14 (B) 16 (C) 10 (D) 20
- (100) The number midway between 1010 and 1050 is _____
(A) 1020 (B) 1030 (C) 1040 (D) 1050

Answers

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