

## Math Marathon Questions 2020-21 (2077)

## Class-5

1. What are the 3 consecutive prime numbers which have a difference of 2? (3,5,7)
2. How many halves are there in  $9\frac{1}{2}$ ? (19)
3. By how much is 1 crore more than 90 lakh? (10 Lakh)
4. What is the product of  $21 \times 300$ ? (6300)
5. How many prime numbers are there from 1 to 100? (25)
6. What are the prime factors of 118 are? (2 and 59)
7. Is 3705 divisible by 5? (Yes)
8. How much is 34 thousand more than 8,862 is? (25, 13, 8, 25, 138)
9. What are the first five prime numbers? (2,3,5,7,11)
10. What is the least multiple of 32 which is also a multiple of 48? (96)
11. If  $\frac{1}{2}$  dozen added to 3 score, what is the sum? (66)
12. What is the place value of 3 in 3, 42, 476? (3 lakh)
13. If  $5105 \div 5$ , what is the quotient? (1021)
14. What is the HCF of 15 and 30? (15)
15. How much is  $\frac{3}{4}$  of a kg? (750 gms)
16. Convert 3900mg into gram and mg. (3g 900mg)
17. What is the LCM of 12 and 15? (60)
18. Is the number 7305 divisible by 3? (yes)
19. What is the HCF of 21 and 35? (7)
20. How many seconds are there in 2 hrs? (7200 sec)
21. What is the value of  $23 + 12 - 12$ ? (23)
22. I am the least 3 digits square number that can be read from left or right gives the same. Who am I? (121)
23. How many halves are there in  $10\frac{1}{2}$ ? (21)
24. I am two digits number. The mathematicians like me because I am perfect square and cube number. Who am I? (64)
25. A student created a new method of addition in which  $3+4=19$ ,  $5+6=41$  then what is for  $1+3$ ? (7)
26. Find the next two numbers in this sequence 1, 3, 5, 7, ----, ----. (9,11)
27. What are the next two numbers in the sequence 1,1,4,8,9,27,16 ----?, ---? (64,25)
28. What are prime numbers between 20 and 35 =? (23,29,31)
29. If Ten times of a number is equal to 5times 20, then what is the number? (10)
30. Tell the biggest number that can be written with four 1s. [ $11^{11}$ ]
31. Tell the biggest number that can be written with two 9s. [ $9^9$ ]
32. What power of 10 gives a million? ....[6]
33. What power of 10 gives a billion? ....[9]
34. What power of 10 gives a trillion? ....[12]
35. What is the Hindu Arabic numeral for XXIX? (29)
36. 10 litres petrol cost Rs 105. What is the cost of 8 litres petrol? (Rs 84)
37. Is the number 9500 divisible by 4? (Yes)
38. An angle measuring between  $90^\circ$  and  $180^\circ$  is called \_\_\_\_\_. ( Obtuse)
39. I am a number between 1040 and 1050. I am divisible by 5. What number am I? (1045)
40. When 75.48 is subtracted from 100, what is the difference? (24.52)
41.  $45 \times 5 \times 10$ , what is the product? (2250)
42. When 5875 is taken away from 6000, we get \_\_\_hich number do we get? (125)
43. How much grams is equal to 1kg —450 gms? (550)
44. How much is  $\frac{1}{4}$  of an hour? (15 mins)
45. What is a polygon which has 6 sides called? (Hexagon)
46. What is the type an angle measuring  $260^\circ$  called? ( Reflex angle)
47. Change 5 hrs 35 mins to mins. (335 mins)
48. What is the reciprocal of  $7/15$ ? (15/7)
49. What is the type of an angle which measures  $180^\circ$ ? (straight angle)
50. What is the size of an angle around a point? ( $360^\circ$ )
51. What is a complementary angle of an angle measuring  $65^\circ$ ? ( $25^\circ$ )
52. The cost of 14 pens is Rs 280. What is the cost of 8 such pens? (Rs 160)
53. What is the name of an angle that measures exactly  $90^\circ$ ? (Right angle)

54. When  $135.5 \div 10$ , What is the quotient (13.55)
55. What is  $7/10$  of an hour? (42 mins)
56. How much is  $5/13$  of 52? (20)
57. What is the place value of 9 in 32.9? ( tenths)
58. What is the supplementary angle of  $1 \frac{1}{2}$  right angle? ( $45^\circ$ )
59. What are the prime factors of 161? ( 7 and 23)
60.  $5675.7 \div 1000$ , the quotient is \_\_\_\_\_ (5.6757)
61. How much is  $5/7$  of 21? (15)
62. What is the product of 143.65 and 10? (1436.5)
63. Ram bought a book for Rs 60 and sold it at a loss of Rs 20 .What is the selling price? (Rs 40)
64. The perimeter of a square field is 64m. What is the area of that field? (256 sq.m)
65. How much will 6 match boxes cost if a dozen cost Rs 18? (Rs 9)
66. Take away 7 times 70 from 20 times 25. What is the answer? (10)
67. I bought a pen for Rs 55 and sold it for Rs 65. Have I gained or lost? How much?(gained by 10)
68. What is Five-Twelfth of an hour? (25 minutes)
69. Is 29 a composite or prime number? (Prime )
70. How many zeros are there in 3 million? (6 zeros)
71. What are the prime factors of 123? ( 3 and 41)
72. What is Seven- twelfth of a minute? (35 secs)
73. What is a triangle which has all sides equal called? (equilateralTriangle)
74. Name an even number which is also a prime number. (2)
75. What is  $\frac{3}{4}$  of one year ? (9 months)
76. What is the value of  $96.05 \times 100$ ? (9605)
77. What is  $3/5$  of a meter ? (60 cm)
78. What is the supplementary of an angle measuring  $125^\circ$ ? ( $55^\circ$ )
79. How many hours and minutes are there in 7:30am to 4:20pm? (8 hrs 50 mins)
80. Which is the number that exactly divides the numbers 252; 114 and 144? ( 3 )
81. How much is  $3/5$  of 15 kg? (9 kg)
82. What is an eight sided polygon known as? (octagon)
83. A cow was bought for Rs 2500 and sold for Rs 2848. Gain or loss was incurred?(gain)
84. What is  $7/30$  of a month? (7 days)
85. What is in cg for Three- fifth of a gram ? (60 cg)
86. What is the value of  $0.007 \times 1000$ ? (7 )
87.  $9/10$  of class of 50 boys are present. How many are absent? (5)
88. How many minutes is equal to ten times of 5 hrs? (3000 mins)
89. The cost of 15 chairs is Rs 4500. What is the cost of 12 chairs? (Rs 3600)
90. If the divisor is 25, quotient is 4 and the remainder is 3. What is the dividend?(103)
91. What is the distance between the centre and any point on the circle called? (radius)
92. What is  $\frac{3}{4}$  of 48 kg? (36 kg)
93. Which is the largest 6 digit number? (9,99,999)
94. What will be the cost of 6 pens, if 4 such pens costs Rs 48? (Rs 72)
95. How many hours and minutes are there between 6hrs 25 mins to 12hrs? (5hrs 35 mins)
96. Tell the next two number in the given sequence: 5, 10, 15, 20..... (25, 30)
97. What is the place value of 7 in the number 4378? (70)
98. Find the square of 13. (169)
99. Find the cube of 4 . (64)
100. Find the square –root of 121. (11)
101. How many weeks are there in 42 days ? (6weeks )
102. How many months of 30 days are there in 90 days ? (3months)
103. How many days are there in 5 weeks 4 days? (39days)
104. How many paisa make Rs. 8? (800 paisa)
105. How many minutes are there in 3 hours ? (180 mins)
106. How many centimetres is equal to 1 metre? (100 cm)
107. How many metres are there in 2 km ? (2000 m)