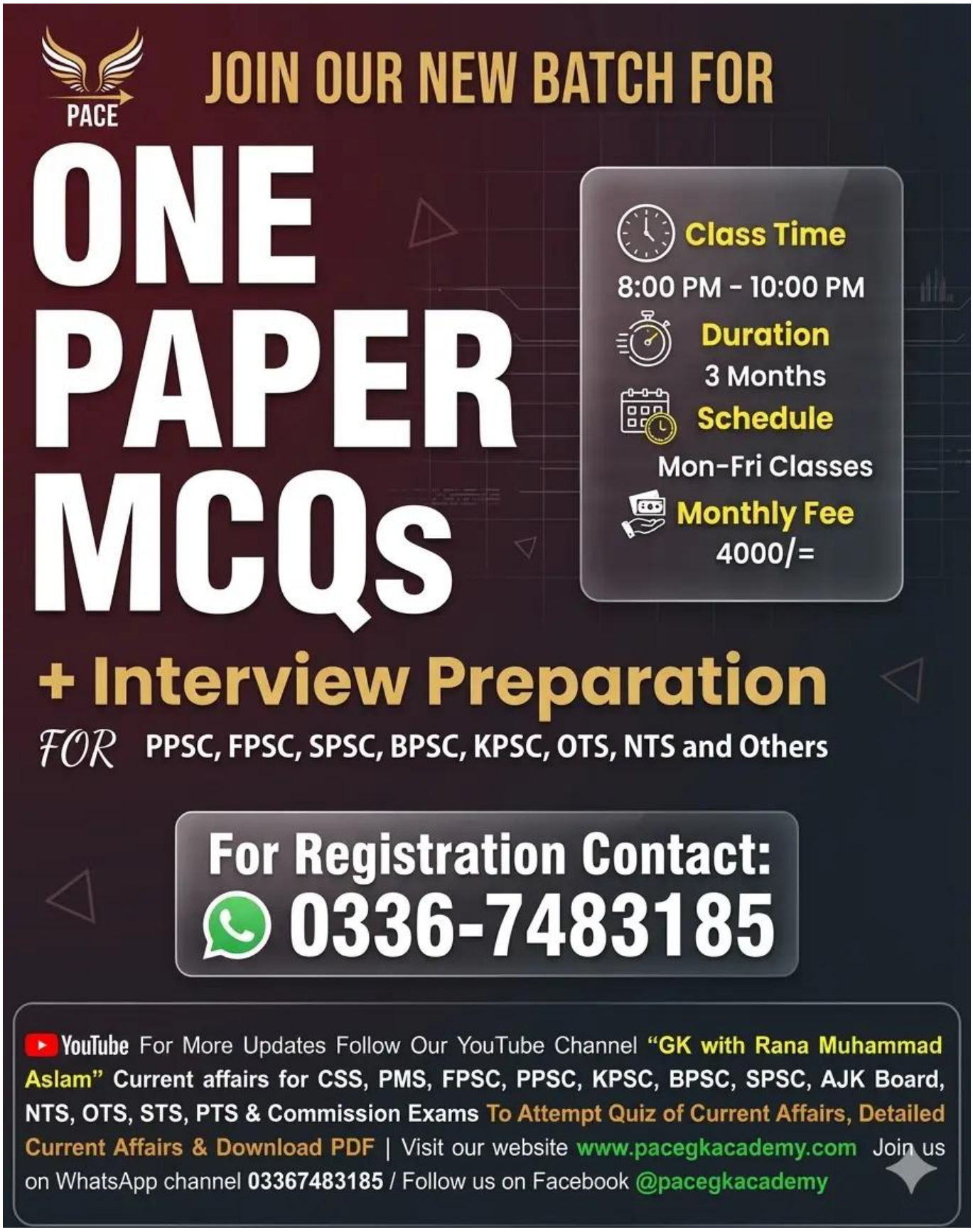
# Math Model Paper 6

(Miscellaneous)



# Math Model Paper 6

**Q.1: Which is the greatest number ?**
A. 1/6 of 236
B. 1/16 of 1028
C. 1/9 of 504
D. 1/3 of 741

**Q.2: Find the greatest number of five digits which is a perfect square ?**
A. 98857
B. 99856
C. 99805
D. 98998

**Q.3: Find the smallest number that must be added to 1780 to make it a perfect square :**
A. 42
B. 62
C. 69
D. 77

**Q.4: Find the cube root of 2744:**
A. 14
B. 16
C. 19
D. 21

**Q.5: By what least number 4320 be multiplied to obtain a number which is a perfect cube ?**
A. 40
B. 50
C. 60
D. 75

**Q.6: The square root of 64009 is :**
A. 253
B. 257
C. 259
D. 262

**Q.7: The square root of ( $272^2$- $128^2$ is :**
A. 210
B. 230
C. 240
D. 250

**Q.8: The digit in the units place in the square root of 15876 is :**
A. 2
B. 4
C. 6
D. 9

**Q.9: What is the square root of 0.16 ?**
A. 0.4
B. 0.5
C. 0.6
D. 0.7

**Q.10: √50*√ 98 is equal to :**
A. 50
B. 70
C. 75
D. 80

**Q.11: Which one of the following has rational square root ?**
A. 0.4
B. 0.9
C. 0.09
D. 9

**Q.12: The least perfect which is divisible by each of 21.36 and 66 is :**
A. 213444
B. 231442
C. 213440
D. 421443

**Q.13: The least perfect square number divisible by 3,4,5,6 and 8 is :**
A. 3200
B. 3300
C. 3600
D. 3900

**Q.14: The least number by which 294 must be multiplied to make it perfect square , is :**
A. 2
B. 6
C. 7
D. 9

**Q.15: Find the smallest number by which 5808 should be multiplied so that the product become square :**
A. 2
B. 3
C. 5
D. 7

**Q.16: Find the smallest number by which 5808 should be multiplied so that the product become square :**
A. 2
B. 3
C. 5
D. 7

**Q.17: The least number by which 1470 must be divided to get a number which is a perfect square is :**
A. 5
B. 6
C. 30
D. 33

**Q.18: What is the smallest number to be substracted from 549162 in order to make it a perfect square is**
A. 70
B. 77
C. 81
D. 89

**Q.19: The smallest number add to 680621 to make the sum perfect square is :**
A. 4
B. 6
C. 8
D. 9

**Q.20: The greatest four digit perfect square number is :**
A. 9000
B. 9801
C. 9700
D. 1000

**Q.21: The least number of 4 digit which is perfect square is :**
A. 1000
B. 1015
C. 1024
D. 1036

**Q.22: A man plants 15376 apple trees in his garden and arranges them so that there are as many rows as there are apple trees in each in each row .The number of rows is :**
A. 124
B. 128
C. 130
D. 133

**Q.23: The cube root of 0000216 is :**
A. .6
B. .06
C. .006
D. 6.001

**Q.24: The largest four number which is a perfect cube is :**
A. 9261
B. 9310
C. 8000
D. 10000

**Q.25: By what least number 675 be multiplied to obtain a number which is a perfect cube ?**
A. 2
B. 5
C. 7
D. 9

**Q.26: What is the smallest number by which 3600 be divided to make it a perfect cube ?**
A. 350
B. 400
C. 450
D. 500

**Q.27: 196*948+158= ?**
A. 1156
B. 1200
C. 1188
D. 1176

**Q.28: (786*64) + 48 = ?**
A. 1050
B. 1024
C. 1048
D. 1036

**Q.29: 3.5+11.25*4.5-32.5=?**
A. 18.275
B. 21.625
C. 32.375
D. 25.45

**Q.30: (2640+48)*(2240+35) = ?**
A. 3520
B. 3515
C. 3495
D. 3490

**Q.31: (98360+25845-36540+2500=?**
A. 36.585
B. 30.082
C. 32.085
D. 35.066

**Q.32: The ratio of ducks and frogs in a pond is 37:39 respectively The average number of ducks and frog in the pond is 152 What is the number of frogs in the pond ?**
A. 148
B. 152
C. 156
D. 144

**Q.33: The average of five positive number is 213 . The average of the first two number is 233.5 and the average of the last two number is 271.What is third number ?**
A. 64
B. 56
C. 106
D. 124

**Q.34: The enrollment in a certain secondary school was 450 in 1979. By 1980 the enrollment had increased by 16%, what was the enrollment in 1980?**
A. Rs.512
B. Rs.518
C. Rs.522
D. Rs.526

**Q.35: Insert the missing number: 234 (333) 257 345 (...) 678**
A. 233
B. 333
C. 133
D. 433

**Q.36: Insert the missing number: 718 (26) 582 474 (...) 226**
A. 16
B. 14
C. 18
D. 12

**Q.37: If a motor car is sold for Rs.50000 the profit is 17 percent, what would be profit percentage if sold for Rs.47000.**
A. 14.85%
B. 15.98%
C. 16.20%
D. 14.50%

**Q.38: The speed of a car in 30km first hour and 32km in the second hour. Its average speed is .**
A. 30 km
B. 31 km
C. 32 km
D. 33 km

**Q.39: Insert the missing number: 11 12 14 ? 26 42**
A. 28
B. 24
C. 18
D. 32

**Q.40: Which number will come next? 5,3,6,2,7,1,_____**
A. 1
B. 2
C. 8
D. 5

**Q.41: It takes 14 taps to fill a swimming pool in 10 hours. How much time will it take 5 taps to fill the pool?**
A. 25
B. 26
C. 27
D. 28

**Q.42: The number, whose 25% is 75, is?**
A. 600
B. 500
C. 300
D. 400

**Q.43: 8 machines can do a piece of work in 10 days. How long will it take 16 machines to do the work?**
A. 7 days
B. 5 days
C. 6 days
D. 8 days

**Q.44: 120 men are used to buid huge-building for 30 days. How long will it take 80 men to do the same work?**
A. 35 days
B. 30 days
C. 45 days
D. 40 days

**Q.45: Which number will come next? 6,3,12,6,24,_____**
A. 12
B. 18
C. 30
D. 48

**Q.46: Which number will come next? 1,1,6,6,11,11,_____**
A. 11
B. 13
C. 16
D. 17

**Q.47: Akbar bought a sweater for Rs.200 and sold it Rs.250. How much profit did akbar get?**
A. Rs.40
B. Rs.20
C. Rs.80
D. Rs.50

**Q.48: The number, whose 20% is 100, is**
A. 400
B. 500
C. 600
D. 700

**Q.49: Iqbal bought a pair of shoes for Rs.300 and sold it Rs.370. How much profit did Iqbal get?**
A. Rs.40
B. Rs.70
C. Rs.55
D. Rs.50

**Q.50: Nawaz bought a shirt for Rs.500 and sold it Rs.525. What profit did Nawaz get?**
A. Rs.35
B. Rs.30
C. Rs.25
D. Rs.20

**Q.51: Which number will come next? Series: 1,3,7,15,31,63,_____**
A. 123
B. 125
C. 127
D. 129

**Q.52: Which number will come next? 1,2,2,5,3,10,_____**
A. 12
B. 8
C. 6
D. 4

**Q.53: Akbar Gujar bought a table for Rs.200 and sold it Rs.175. How much loss did Akbar Gujar get?**
A. Rs.25
B. Rs.20
C. Rs.40
D. Rs.30

**Q.54: Arshad bought a shirt for Rs.350 and sold it Rs.300. How much loss did he get?**
A. Rs.40
B. Rs.50
C. Rs.20
D. Rs.80

**Q.55: Sania invest 15% of her monthly salary in insurance policies She spends 55% of her monthly salary in shopping and on household expenses .She saves the remaining account of Rs 12,750.What is the sania`s monthly income ?**
A. 42,500
B. 38,800
C. 40,000
D. 35,500

**Q.56: Sohail Khan bought a practical copy Rs.60 and sold it Rs.40. How much loss did he get?**
A. Rs.600
B. Rs.60
C. Rs.40
D. Rs.20

**Q.57: 16 men build a house in 10 days. How much time will it take 8 men to do this work?**
A. 25 days
B. 20 days
C. 30 days
D. 32 days

**Q.58: By selling a fan for Rs 475 ,Nazir loses 5% To get a gain of 5% he should sell the fan for :**
A. 500
B. 525
C. 535
D. 575

**Q.59: The number, whose 17 % is 51, is**
A. 200
B. 100
C. 300
D. 210

**Q.60: Aslam Khan bought a TV Rs.8000 and sold it Rs.7000. How much loss did he get?**
A. Rs.1000
B. Rs.2000
C. Rs.3000
D. Rs.4000

**Q.61: Which number will come next? 87,90,84,88,81,_____**
A. 85
B. 98
C. 86
D. 89

**Q.62: The sum of 2 number is 84.If one of them exceeds the other by 12 ,Find the numbers?**
A. 40,52
B. 1,13
C. 36,48
D. 72,84

**Q.63: Which number will come next? 20,32,45,59,74,_____**
A. 95
B. 90
C. 85
D. 49

**Q.64: Which number will come next? 210,195,175,150,120,_____**
A. 95
B. 50
C. 85
D. 60

**Q.65: Naveed Baloch spends Rs.400 in getting a good table and sells it at Rs.600, Find the percentage of profit?**
A. 90%
B. 45%
C. 50%
D. 80%

**Q.66: Aftab Ali spends Rs.500 to get a good shirt and sells it at Rs.800. Find the percentage of Profit?**
A. 59%
B. 60%
C. 63%
D. 40%

**Q.67: The number ,Whose 7% is 14 is**
A. 500
B. 400
C. 300
D. 200

**Q.68: Which number will come next? 1,2,4,8,16,_____**
A. 40
B. 64
C. 38
D. 32

**Q.69: Which number will come next? 64,32,16,8,_____**
A. 0
B. 1
C. 2
D. 4

**Q.70: Nawaz Ahmad spend Rs.44,000 to get a car and sells it at Rs.48,000. Find its percentage of profit?**
A. 12%
B. 9.09%
C. 14%
D. 80%

**Q.71: Nasir sold a car Rs.80,000 which he was bought for Rs.90,000. What is his % loss?**
A. 61.40%
B. 55.51%
C. 12.31%
D. 11.11%

**Q.72: 12 man take 6 hours to finish a piece of work .After the 12 men have worked for 1 hours ,the contractor decides to call in 8 more men .How many more hours would 20 men take to complete the remaining work ?**
A. 2
B. 3
C. 4
D. 5

**Q.73: The number, whose 3% is 60, is:**
A. 2000
B. 3000
C. 6000
D. 9000

**Q.74: The number, whose 5% is 35, is:**
A. 500
B. 600
C. 700
D. 800

**Q.75: Abid sold a table for Rs.800 which he was bought for Rs.1000. What is his % loss?**
A. 20%
B. 60%
C. 14%
D. 17%

**Q.76: Akbar sold his old gun Rs.900, which he was bought for Rs.2500. What is his % loss?**
A. 64%
B. 82%
C. 74%
D. 15%

**Q.77: If the difference between 5 times and 9 times of a number is 24 the number is**
A. 4
B. 5
C. 6
D. 7

**Q.78: The total distance from school to house is 35km. Faraz khan covered a distance of 20km. What percentage of the whole distance has he covered?**
A. 314%
B. 219%
C. 48.57%
D. 103.57%

**Q.79: A cartoon contain 10 boxes each box containing one dozen cubes .How many cartons are needed to fill 960 cubes ?**
A. 7
B. 8
C. 9
D. 12

**Q.80: Insert the missing number 7 14 10 12 14 9**
A. 19
B. 17
C. 14
D. 15

**Q.81: In the exam 45% students failed and 550 students were successful The total number of students who appeared the exam were :**
A. 1000
B. 900
C. 1500
D. 800

**Q.82: Babar purchased a plot for Rs:8,000 .He sells the plot to mansab at a profit of 20% loss of 20% .The plot costs Aslam .**
A. Rs.12,000
B. Rs.10,000
C. Rs.8670
D. Rs.7680

**Q.83: Which number will come next ? 2,6,12,20,30,42,_____**
A. 56
B. 54
C. 50
D. 62

**Q.84: Insert the missing number : 6,8,10,11,14,15,**
A. 12
B. 16
C. 14
D. 18

**Q.85: Abbas saves Rs.500 which is 15% of his annual income .How much does he earn in one year ?**
A. **3542.50**
B. 3333.33
C. 3132.30
D. 3075.75

**Q.86: Mr fraz ordered a car worth Rs.600,000 and was given a discount .Given that he paid Rs.57,000 for his new car ,Calculate the percentage discount he received :**
A. 5%
B. 7%
C. 9%
D. 10%

**Q.87: Which number will come next ? 8 , 13, 10, 15, 12, 17, 14, _____**
A. 19
B. 22
C. 16
D. 20

# Math Model Paper 6
# (Answer Key)

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