FINAL EXAM PRACTICE PAPER

CLASS 8th Mental Math Model Paper

1. Find the percentage of pure gold in 22-carat gold, if 24-carat gold is 100% pure.

a)133 1/3%   b) 83 1/3 %   c)91 2/3%   d) 95 2/3%

2. A shopkeeper sold two sofa sets for Rs 25,000 each. On one he lost 20% and on the other, he gained 40%. Find h
3. is loss or gain percent on the whole transaction.

a)15%   b) 1.85%   c) 2%   d) 1.82%

3. If a company has 105 crore turnovers, then GST is payable on sales or advance?

a) Payable on sale.   b) advance   c) both are correct   d) none of these

4. The difference between the compound interest, compounded annually and the simple interest on a certain sum for 2 years at 15% per annum is Rs 180. Find the sum.

a) Rs 7000   b) Rs 8000   c) Rs 9000   d) Rs 10,000

5. In a certain experiment the count of bacteria was increasing at the rate of 2.5% per hour. Initially, the count was 512000. Find the bacteria at the end of 2 hours.

a) 457890   b) 194481   c) 537920   d) 576000

6. In a fort, 300 men had provision for 90 days. After 20 days, 50 men left the fort. How long would the food last at the same rate?

a) 20 days   b) 78 days   c) 84 days   d) 92 days

7. A cistern can be filled by two taps A and B n 12 hours and 16 hours respectively. The full cistern can be emptied by a third tap C in 8 hours. If all the taps are turned on at the same time, in how much time will the empty cistern be filled up completely?

a) 12 hours   b) 24 hours   c) 36 hours   d) 48 hours

8. If the angle of a parallelogram is two-thirds of its adjacent angle, the smallest angle of the parallelogram is:

a) 54°   b) 72°   c) 81°   d) 108°

9. A road roller takes 600 revolutions to move one to level the ground. Find the area of the ground if the diameter of the road roller is 182 cm and the length is 3.5 m.

a)1881 cm²   b)12012 m²   c) 20.02 m²   d) 65.4 m²

10. The volume of a reservoir is 108 m cube. Water is poured into it at the rate of 60 liters per minute. How many hours will it take to fill the reservoir?

a) 10 hours   b) 20 hours   c) 30 hours   d) 40 hours

++++++++++++++++++ Answer Sheet ++++++++++++++++++

1- c	2-b	3- a	4- b	5- c
6- c	7-d	8- b	9- b	10- c

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