

Rajiv Vidya Mission, Andhra Pradesh

Model Unit Test Paper

Time : 50 mnts

Name :

Class : 8th

Roll No :

Subject : Maths

Academic Standard	Problem Solving			Reasoning & Proof			Communication			Connections	Representation	Overall Grade
	Qn. Nos	1	2	7	3	4	8	5	6	9	10	
Q. wise Grade												

I. Answer all the questions given below.

1. A sum of Rs. 1728 is distributed equally among some persons and each got $1\frac{1}{3}$ times as many rupees as there are persons. Find the number of persons.
2. The marked price of a cycle is Rs. 1280 by allowing a discount of 10% it gives a profit of Rs. 72. Find its cost price.
3. $P = \text{Rs. } 3200, R = 5\% n = 2 \text{ yrs.}$ Find the difference between simple interest and compound interest.
4. Find the angle between the two hands of a clock at 2 hours 35 min.
5. Write 0.375 in the form of a Rational number.
6. Write down the inverse Ratio of $5\frac{1}{7} : 6\frac{3}{4}$ in the lowest terms.
7. $A:B = 3:4$ and $B:C = 5:6$ then find $A:C$?
8. A and B can do a piece of work in 15 days and 20 days respectively. Who has greater capacity to do work?
9. By which alphabet the set of integers denoted?
10. Fill in the blanks
 - a) The compound proportion of 3:4 and 4:5 is
 - b) In an election the votes secured by two candidates are 625 and 525 respectively. Then the ratio of the votes secured by them is
 - c) P and Q started a business with equal capital. But Q withdraw from the business at the end of 9 months. The ratio of their profits is
11. match the following

a) $x:y = y:k$ []	1) $\frac{x}{y} = k$
b) $x \propto \frac{1}{y}$, then []	2) $x^2 = yk$
c) $x \propto y$ then []	3) $y^2 = xk$
	4) $xy=k$