

MAHESHWARI PUBLIC SCHOOL, AJMER.
CLASS TEST II; SESSION: 2018-2019
CLASS: VII; SUBJECT: MATHEMATICS
Time Allowed: 45Min. Maximum Marks: 20

General Instructions:

1. All questions in this paper are compulsory.
2. Marks are indicated against each question.

1. Attempt **any four** multiple choice questions from the following. $(\frac{1}{2} \times 4 = 2)$

1. Ratio of vowels to consonants in the word HYPOTENUSE
a) 2:3 b) 3:2 c) 3:1 d) 2:1
2. -4 is the solution of the equation
a) $-4(2+x)=8$ b) $-4+4x=8$ c) $4(2+x)=8$ d) $-4(2-x)=8$
3. For every equation, we have _____ solution.
a) many b) one c) two d) three
4. In a city, 40% are men, 45% are women and rest is children.
The percentage of children are
a) 25% b) 15% c) 10% d) 30%
5. 6 balls cost rupees 90. Cost of 10 such balls is
a) 90 b) 100 c) 120 d) 150

2. Fill **any four** blanks from the following. $(\frac{1}{2} \times 4 = 2)$

1. Reena's mother said to make idli you must take 2 part of rice and one part of urad dal. In term of ratio, we would write this as rice: urad dal equals to _____.
2. The value of Y for which $6y = 246$ is _____.
3. 15% of 200 equal to _____.
4. $45\% + \underline{\hspace{2cm}} = 100\%$.
5. The population of state A is 480 lakh km^2 and area of state A is 4lakh km^2 . Number of people per km^2 in state A is _____.

3. Give the answer of **any six** of the following questions. **(1X6 =6)**

1. Find the whole quantity if 12% of it is 1080.
2. The population of a city decreased from 25000 to 24500.
Find the percentage decrease.
3. Convert each part of the ratio 3 : 1 to percentage.
4. Meeta saves Rs 400 from her salary. If this is 10% of her salary,
What is her salary?
5. Find the ratio of 50 Kg to 75g.
6. Write equation for the statement: - If you add 3 to one-third of Z,
you get 30.

7. Find the value of Y for which the expression (Y-15) and (2Y+1) becomes equal.

PROBLEM SOLVING TYPE:-

4. Solve the following equation for variable t :- $44 = 8 + 6(t+2)$ **2**
5. What is the profit or loss in the following transaction. Also find profit percent or loss percent in case: A cupboard bought for Rs 25000 and sold at Rs 30000. **2**
6. In a test Abha gets twice the marks as that of the Palak. Two times Abha's marks and three times Palak's marks makes 280. **2**
If Palak gets x marks, then Abha gets _____ marks.
The equation formed is _____.
The solution of the equation is _____.
Marks obtained by Abha are _____.

OR

One of the two number is twice the other. The sum of the numbers is 15. Find the numbers.

APPLICATION BASED QUESTION:-

7. Find the amount to be paid at the end of 3 years on a principal of Rs12000 at 12% per annum. **2**
8. Lakshmi's father's age is 49 year old .He is four year older than 3 times Lakshmi's age .What is Lakshmi's age. **2**
