ST. XAVIER'S SENIOR SECONDARY SCHOOL, DELHI-54

Class : 7   FIRST UNIT TEST 2014-2015   Marks : 20

Date :   MATHS   Time : 45 mins

Note : All the questions are to be done on the answer sheet only.

1. Fill in the blanks
   (i) |6x (-3) +8| = _____
   (ii)   -15 ÷0 = _____
   (iii) The reciprocal of $2\frac{3}{5}$ = _____
   (iv)   6-12 ÷3x4 = _____   ($\frac{1}{2}$x4=2)

2. The sum of two integers is – 15 . If one of them is 45, find the other integer.   ($1\frac{1}{2}$)

3. The product of two integers is 378. If one of them is – 6 , find the other integer.   ($1\frac{1}{2}$)

4. Subtract the sum of 23 and – 78 from – 116.   ($1\frac{1}{2}$)

5. Use the distributive law to solve the following

   -45x 78 + (-45) x 22   ($1\frac{1}{2}$)

6. A bus runs $17\frac{1}{2}$ Km in one litre of petrol. How much distance will it cover in $3\frac{3}{5}$ litres of petrol?(2)

7. Solve the following

   $(1\frac{3}{8} + 2\frac{5}{6}) \div 3\frac{1}{6}$ (2)

8. The area of a rectangle is $16\frac{2}{3}$ m². If its breadth is $2\frac{2}{9}$ m, find its length.   (2)

9. In the given figure PQ II BC ,find the value of x

                                                                (2)

10. In the given figure l II m, find the value of x

                                                                (2)

11 In the given figure OP and OQ are two opposite rays. If x = 28⁰, what is the value of y

                                                                (2)