NEW AL WUROOD INTERNATIONAL SCHOOL, JEDDAH

Affiliated to CBSE – New Delhi. Affiliation No: 5730008

MATHEMATICS WORKSHEET-2

FIRST TERMEXAM, 2021 - 22'

Class: VIII

I.   ANSWER THE FOLLOWING QUESTIONS:

1. Name the property being demonstrated

    a) $78/1 + 34/56 = 34/56 + 78/1$ b) $8/5 \times 3/5 = 3/5 \times 8/5$

2. Express the following as rational

    a) 7.36   b) 0.234   c) 20.25

 3. Convert the following in rational form

     a) 2/7   b) 5/3

4. Express the following in p/q form

    a) 0.777……   b) 4.833333….   c) 0.72929……

5. Find 5 rational numbers between -2/8   and   -2/18

6. Use "Mean" to find 5 rational numbers between 87 and 45

7. Use associative property to solve

        a) $16/9 \times 35/14 \times 77/2$ b) $15/2 + 17/18 + 21/12$

 8. Solve using the distributive property of addition---

    $2/18 \times (84/19 + 39/10)$

9. Find the multiplicative inverse of

   a) -5/2   (b) 1/2

10. Name the property – 'Order does not matter when adding two rational numbers'.

11. The sum of the digits of a two-digit number is 12. If the new number formed by reversing the digits is greater than the original number by 54, Find the original number.

12. The present age of Tom is twice the age of his sister Ann .4 years later, the sum of their ages will be 32. What is their present ages?

13. Three numbers are in the ratio 4:5:6. If the sum of the largest and the smallest equals the sum of the third and 55, find the numbers.

14. Solve the equations: (i). $6r + 7 = 13 + 7r$ (ii.) $8x + 4(4x - 3) = 4(6x + 4) - 4$

15. Write three rational numbers between 3/5 and 4/5.

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