PSBB LEARNING LEADERSHIP ACADEMY
BANGALORE

CLASS 8 REVISION WORKSHEET WA – 3 - 03/07/2021

Objective

1) $\left(\frac{2}{3}\right)^{-5} \times \left(\frac{5}{7}\right)^{-5} =$

$a]\ \left(\frac{2}{3}\right)^{5} \times \left(\frac{5}{7}\right)^{-5}$ $b]\ \left(\frac{2}{3} \times \frac{5}{7}\right)^{-5}$ $c]\ \left(\frac{2}{3} \times \frac{5}{7}\right)^{-5}$ $d]\ \left(\frac{2}{3} \times \frac{5}{7}\right)^{-10}$

2) The property applied in $\left(\frac{a}{b} \times \frac{c}{d}\right) \times \frac{e}{f} = \frac{a}{b}\left(\frac{e}{f} \times \frac{a}{b}\right)$ is

[a] Commutative [b]Associative [c] Distributive [d]Closure

3) Division of rational number is neither commutative nor associative. [True/False]

4) The standard form of 0.00000000837 is

[a] 837×10^{9} [b] 837×10^{-9} [c] 8.37×10^{9} [d] 8.37×10^{-9}

5) $\frac{3}{2}$ lies between – 2 and 5 . True/False]

6) If $\frac{ax+c}{bx+d} = \frac{m}{n}$ then it can be written as $(ax - c)n = (bx - d)\, m$. [True/False]

7) The usual form of 3.61492×10^{6} is ----------

8) Give the expression for ' Add the additive inverse of 46 to the multiplicative inverse of $\frac{-5}{7}$.'

9) An article sold for Rs.495 with 10% gain. Write the equation for the given statement.

10) Which of the following represents sum of consecutive 3 numbers?

[A] x+(x+1)+(x+2) [B] (x-1)+ x+(x+1)

[i] only [A] [ii] only [B] [iii] both [A] and [B] [iv] none

Do as directed

11) Simplify

$(i)\ \left\{\left[\left(\frac{1}{4}\right)^{-3} - \left(\frac{1}{3}\right)^{-3}\right] \div \left(\frac{1}{4}\right)^{-2}\right.$

$(ii)\ \left(\frac{2}{3}\right)^{-6} \times \left(\frac{3}{2}\right)^{-4}$

12) Find the reciprocal of $-\frac{3}{7} \times -\frac{7}{12}$

13) Given $0, -\frac{3}{5}\ and\ -\frac{7}{18}$ verify associative property of addition and distributive property of multiplication over subtraction. Also write the general form of both the properties

14) Solve $\frac{1}{3}\ z - \frac{5}{2} = \frac{6}{7}$

15) A box contains some one rupee and fifty paise coins. It contains thrice as many 50paise coins as 1 rupee coins. The total amount in the box is Rs.35. How many coins of each kind are there in the box?

16) By what number should $-\frac{33}{16}$ be divided to get $-\frac{11}{4}$?

17) Find the value of k if $(-2)^{k+1} \times (-2)^{3} = (-2)^{7}$