

Grade- VIII

Name of the Student: _____ Grade/Sec: _____ Branch _____

MATHS

1. $\left(\frac{-5}{3}\right)^3 =$ _____

2. Exponential form of $\frac{-1024}{3125} =$ _____

3. $(2^{20} + 2^{15}) \times 2^3 =$ _____

4. $\{ (5^2)^3 + 5^4 \} \div 5^7 =$ _____

5. $\{ (2^5)^2 + 7^3 \} \div (8^3 \times 7) =$ _____

6. Simplify $\left(\frac{x}{y}\right)^{12} \times (y)^{24} \times (2^3)^4$

7. Simplify $\frac{2^{n+1} - 2^n}{2^{n+2} + 2^{n-1}}$

8. Find n if $7^{2n+1} \div 49 = 7^3$

9. Express the following number in standard form

I. 3908.78

II. 3186500000

III. 723.4×10^3

10. Express following in usual form

i. 3.21×10^5

ii. 0.345×10^{-4}

iii. 1.2×10^{10}