ZPHS GIRLS VEMULAWADA

MATHEMATICS

CLASS:8 **TEST-1**

MATCH THE FOLLOWING

EXPONENTIAL FORMS OF THE FOLLOWING

- **2X2X2X2X2X2** $(-a)^5$
- **5X5X5X5** 2^6
- **axaxaxa…….m times** 3^4
- **-ax-ax-ax-a** a^m

SIMPLIFY THE FOLLOWING. Click on the correct answer

1. $5^4 X\, 5^7$ = $5^{11}/5^{-3}$

2. $3^2 X 7^2$ = $21^2/10^2$

3. $\left(4^3\right)^3$ = $4^6/4^9$

4. $\frac{7^4}{7^2}$ = $7^{-2}\ /\ 7^2$

5. $\frac{8^3}{5^3}$ = $\left(\frac{8}{5}\right)^3/\left(\frac{8}{5}\right)^6$

6. m^{-5} = $\frac{1}{m^{-5}}/\frac{1}{m^5}$

7.Standard form of 2450000000 = $24.5X10^7/2.45X10^9$

8. $6^x X 6^8 = 6^{12}$ **then value of x = 3 / 4**

9 1000^0 **= 1000 / 1**

10.Value of $(-3)^3$ **= 27 / -27**

11. $\frac{2^3}{2^8}$ = $2^5\ /\ 2^{-5}$

12. $\left(\frac{8^x}{8^2}\right) = 8^4$ **then value of x = 6 / 8**

LIVEWORKSHEETS