

ZPHS GIRLS VEMULAWADA

MATHEMATICS

CLASS:8

TEST-1

MATCH THE FOLLOWING

EXPONENTIAL FORMS OF THE FOLLOWING

- | | |
|---|----------|
| • $2 \times 2 \times 2 \times 2 \times 2$ | $(-a)^5$ |
| • $3 \times 3 \times 3 \times 3$ | 2^6 |
| • $axaxax \dots m \text{ times}$ | 3^4 |
| • $-ax-ax-ax-ax-a$ | a^m |

SIMPLIFY THE FOLLOWING. Click on the correct answer

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

2. $3^2 \times 7^2 = 21^2 / 10^2$

3. $(4^3)^3 = 4^6 / 4^9$

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 = $24.5 \times 10^7 / 2.45 \times 10^9$

8. $6^x \times 6^8 = 6^{12}$ 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 $x = 6 / 8$