

1. $a^m \times a^n$

8^5

2. $a^m \div a^n$

5^2

3. $(a^m)^n$

8^{12}

4. $a^m \times b^m$

$\frac{a^m}{b^m}$

5. $\left(\frac{a}{b}\right)^m$

$(a \times b)^m$

6. $5^7 \times 5^3$

21^6

7. $\frac{5^8}{5^6}$

a^{m-n}

8. $(8^3)^4$

$a^{m \times n}$

9. $7^6 \times 3^6$

5^{10}

10. $72^5 \div 9^5$

a^{m+n}