

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}