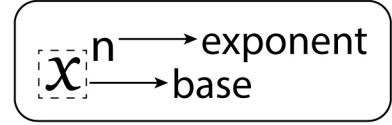


Dividing Exponents with the Same Base

Simplify



1 $\frac{2^5}{2^2} = \underline{\hspace{2cm}}$

8 $\frac{q^3}{q^{-5}} = \underline{\hspace{2cm}}$

2 $\frac{5^4}{5^2} = \underline{\hspace{2cm}}$

9 $\frac{9^2}{9^4} = \underline{\hspace{2cm}}$

3 $\frac{4^8}{4^5} = \underline{\hspace{2cm}}$

10 $\frac{6^3}{6^6} = \underline{\hspace{2cm}}$

4 $\frac{8^6}{8^2} = \underline{\hspace{2cm}}$

11 $\frac{25^2}{25} = \underline{\hspace{2cm}}$

5 $\frac{7^2}{7^3} = \underline{\hspace{2cm}}$

12 $\frac{x^{36}}{x^{27}} = \underline{\hspace{2cm}}$

6 $\frac{x^7}{x^3} = \underline{\hspace{2cm}}$

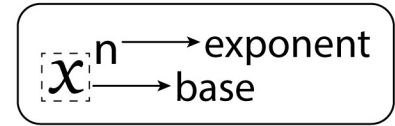
13 $\frac{4^{16}}{4^{12}} = \underline{\hspace{2cm}}$

7 $\frac{x^2}{x^{10}} = \underline{\hspace{2cm}}$

14 $\frac{2^3 \times 2^6}{2^{18}} = \underline{\hspace{2cm}}$

Dividing Exponents with the Same Base

Answers



$$\boxed{1} \quad \frac{2^5}{2^2} = \underline{8}$$

$$\boxed{8} \quad \frac{q^3}{q^{-5}} = \underline{q^8}$$

$$\boxed{2} \quad \frac{5^4}{5^2} = \underline{25}$$

$$\boxed{9} \quad \frac{9^2}{9^4} = \underline{\frac{1}{81}}$$

$$\boxed{3} \quad \frac{4^8}{4^5} = \underline{64}$$

$$\boxed{10} \quad \frac{6^3}{6^6} = \underline{\frac{1}{216}}$$

$$\boxed{4} \quad \frac{8^6}{8^2} = \underline{4096}$$

$$\boxed{11} \quad \frac{25^2}{25} = \underline{25}$$

$$\boxed{5} \quad \frac{7^2}{7^3} = \underline{\frac{1}{7}}$$

$$\boxed{12} \quad \frac{x^{36}}{x^{27}} = \underline{x^9}$$

$$\boxed{6} \quad \frac{x^7}{x^3} = \underline{x^4}$$

$$\boxed{13} \quad \frac{4^{16}}{4^{12}} = \underline{256}$$

$$\boxed{7} \quad \frac{x^2}{x^{10}} = \underline{\frac{1}{x^8}}$$

$$\boxed{14} \quad \frac{2^3 \times 2^6}{2^{18}} = \underline{\frac{1}{512}}$$