

Fractions in text  $\frac{a}{b}$   $\frac{a}{b}$   $\frac{a}{b}$   
Displayed fractions

$$\frac{a}{b}$$
$$\frac{a}{b}$$
$$\frac{a}{b}$$

Exponents in fractions

$$\frac{a^n}{b^n}$$
$$\frac{a_{n+1}}{b^n}$$
$$\frac{a^n}{b^n}$$
$$\frac{a^{n+1}}{b^n}$$

Exponents in nested fractions

$$\frac{\frac{a^n}{b^m}}{\frac{c^n}{d^m}}$$
$$\frac{\frac{a^n}{b^m}}{\frac{c^n}{d^m}}$$
$$\frac{\frac{a^n}{b^m}}{\frac{c^n}{d^m}}$$
$$\frac{\frac{a^n}{b^m}}{\frac{c^n}{d^m}}$$
$$\frac{\frac{a^{n+1}}{b^m}}{\frac{c^n}{d^m}}$$

Fractions in exponents in fractions

$$\frac{a^{\frac{1}{2}}}{b^{\frac{2}{3}}}$$
$$\frac{a^{\frac{1}{2}}}{b^{\frac{2}{3}}}$$
$$\frac{a^{\frac{1}{2}}}{b^{\frac{2}{3}}}$$
$$\frac{a^{\frac{1}{2}}}{b^{\frac{2}{3}}}$$

$$a^{\frac{1+2}{2}} \\ b^{\frac{2}{3}}$$

Fractions in exponents in nested fractions

$$\frac{\frac{1}{2}}{\frac{a}{b^{\frac{2}{3}}}} \\ \frac{c}{d^{\frac{2}{3}}}$$

$$\frac{\frac{1}{2}}{\frac{a}{b^{\frac{2}{3}}}} \\ \frac{c}{d^{\frac{2}{3}}}$$

$$\frac{\frac{1}{2}}{\frac{a}{b^{\frac{2}{3}}}} \\ \frac{c}{d^{\frac{2}{3}}}$$

$$\frac{\frac{1}{2}}{\frac{a}{b^{\frac{2}{3}}}} \\ \frac{c}{d^{\frac{2}{3}}}$$

$$a^{\frac{1+2}{2}} \\ b^{\frac{2}{3}} \\ \frac{c}{d^{\frac{2}{3}}}$$