

Rationalizing One-Term Denominators

Simplify.

1) $\frac{\sqrt{4}}{\sqrt{3}}$

2) $\frac{\sqrt{6}}{\sqrt{15}}$

3) $\frac{\sqrt{5}}{\sqrt{3}}$

4) $\frac{\sqrt{3}}{\sqrt{5}}$

5) $\frac{\sqrt{3}}{\sqrt{15}}$

6) $\frac{\sqrt{5}}{\sqrt{2}}$

7) $\frac{2\sqrt{3}}{5\sqrt{5}}$

8) $\frac{3\sqrt{5}}{3\sqrt{2}}$

9) $\frac{2\sqrt{6}}{3\sqrt{10}}$

10) $\frac{3}{3\sqrt{5}}$

11) $\frac{5}{3\sqrt{2}}$

12) $\frac{2}{4\sqrt{2}}$

13) $\frac{\sqrt{5m^2}}{\sqrt{3m^4}}$

14) $\frac{\sqrt{20r^2}}{\sqrt{12r^3}}$

15) $\frac{\sqrt{2n^3}}{\sqrt{3n}}$

16) $\frac{2}{\sqrt{5m}}$

17) $\frac{\sqrt{4m^3}}{\sqrt{10m^2}}$

18) $\frac{\sqrt{2p^4}}{\sqrt{6p}}$

19) $\frac{3\sqrt{3a^4}}{3\sqrt{2a^2}}$

20) $\frac{2x^2}{4\sqrt{2x}}$

21) $\frac{4\sqrt{2b^3}}{2\sqrt{5b^3}}$

22) $\frac{5\sqrt{5x^3}}{3\sqrt{3x}}$

23) $\frac{2\sqrt{5m^3}}{4\sqrt{3m^4}}$

24) $\frac{4\sqrt{4u^4v^2}}{3\sqrt{5u^3v^3}}$

Answers to Rationalizing One-Term Denominators

$$1) \frac{2\sqrt{3}}{3}$$

$$5) \frac{\sqrt{5}}{5}$$

$$9) \frac{2\sqrt{15}}{15}$$

$$13) \frac{\sqrt{15}}{3m}$$

$$17) \frac{\sqrt{10m}}{5}$$

$$21) \frac{2\sqrt{10}}{5}$$

$$2) \frac{\sqrt{10}}{5}$$

$$6) \frac{\sqrt{10}}{2}$$

$$10) \frac{\sqrt{5}}{5}$$

$$14) \frac{\sqrt{15r}}{3r}$$

$$18) \frac{p\sqrt{3p}}{3}$$

$$22) \frac{5x\sqrt{15}}{9}$$

$$3) \frac{\sqrt{15}}{3}$$

$$7) \frac{2\sqrt{15}}{25}$$

$$11) \frac{5\sqrt{2}}{6}$$

$$15) \frac{n\sqrt{6}}{3}$$

$$19) \frac{a\sqrt{6}}{2}$$

$$23) \frac{\sqrt{15m}}{6m}$$

$$4) \frac{\sqrt{15}}{5}$$

$$8) \frac{\sqrt{10}}{2}$$

$$12) \frac{\sqrt{2}}{4}$$

$$16) \frac{2\sqrt{5m}}{5m}$$

$$20) \frac{x\sqrt{2x}}{4}$$

$$24) \frac{8\sqrt{5uv}}{15v}$$