

Fractions of Perfect Square Roots

Name: _____ Score: _____

Calculate and simplify the following perfect square roots.

$$\sqrt{\frac{4}{16}} = \square$$

$$\sqrt{\frac{16}{36}} = \square$$

$$\sqrt{\frac{25}{49}} = \square$$

$$\sqrt{\frac{25}{225}} = \square$$

$$\sqrt{\frac{400}{169}} = \square$$

$$\sqrt{\frac{625}{441}} = \square$$

$$\sqrt{\frac{100}{400}} = \square$$

$$\sqrt{\frac{100}{64}} = \square$$

$$\sqrt{\frac{36}{100}} = \square$$

$$\sqrt{\frac{25}{64}} = \square$$

$$\sqrt{\frac{16}{64}} = \square$$

$$\sqrt{\frac{1}{64}} = \square$$

$$\sqrt{\frac{16}{81}} = \square$$

$$\sqrt{\frac{25}{16}} = \square$$

$$\sqrt{\frac{49}{64}} = \square$$

$$\sqrt{\frac{81}{729}} = \square$$

$$\sqrt{\frac{121}{484}} = \square$$

$$\sqrt{\frac{196}{784}} = \square$$

$$\sqrt{\frac{144}{576}} = \square$$

$$\sqrt{\frac{36}{900}} = \square$$

$$\sqrt{\frac{100}{900}} = \square$$

$$\sqrt{\frac{64}{36}} = \square$$

$$\sqrt{\frac{1}{36}} = \square$$

$$\sqrt{\frac{9}{36}} = \square$$

Answers

Calculate and simplify the following perfect square roots.

$$\sqrt{\frac{4}{16}} = \frac{1}{2} \quad \sqrt{\frac{16}{36}} = \frac{2}{3} \quad \sqrt{\frac{25}{49}} = \frac{5}{7}$$

$$\sqrt{\frac{25}{225}} = \frac{1}{3} \quad \sqrt{\frac{400}{169}} = \frac{20}{13} \quad \sqrt{\frac{625}{441}} = \frac{25}{21}$$

$$\sqrt{\frac{100}{400}} = \frac{1}{2} \quad \sqrt{\frac{100}{64}} = \frac{5}{4} \quad \sqrt{\frac{36}{100}} = \frac{3}{5}$$

$$\sqrt{\frac{25}{64}} = \frac{5}{8} \quad \sqrt{\frac{16}{64}} = \frac{1}{2} \quad \sqrt{\frac{1}{64}} = \frac{1}{8}$$

$$\sqrt{\frac{16}{81}} = \frac{4}{9} \quad \sqrt{\frac{25}{16}} = \frac{5}{4} \quad \sqrt{\frac{49}{64}} = \frac{7}{8}$$

$$\sqrt{\frac{81}{729}} = \frac{1}{3} \quad \sqrt{\frac{121}{484}} = \frac{1}{2} \quad \sqrt{\frac{196}{784}} = \frac{1}{2}$$

$$\sqrt{\frac{144}{576}} = \frac{1}{2} \quad \sqrt{\frac{36}{900}} = \frac{1}{5} \quad \sqrt{\frac{100}{900}} = \frac{1}{3}$$

$$\sqrt{\frac{64}{36}} = \frac{4}{3} \quad \sqrt{\frac{1}{36}} = \frac{1}{6} \quad \sqrt{\frac{9}{36}} = \frac{1}{2}$$