

Fractions of Perfect Square Roots

Name: _____ Score: _____

Calculate and simplify the following perfect square roots.

$$\sqrt{\frac{1}{4}} = \square \quad \sqrt{\frac{1}{36}} = \square \quad \sqrt{\frac{16}{49}} = \square$$

$$\sqrt{\frac{16}{144}} = \square \quad \sqrt{\frac{100}{169}} = \square \quad \sqrt{\frac{484}{625}} = \square$$

$$\sqrt{\frac{400}{900}} = \square \quad \sqrt{\frac{64}{144}} = \square \quad \sqrt{\frac{64}{100}} = \square$$

$$\sqrt{\frac{16}{64}} = \square \quad \sqrt{\frac{49}{64}} = \square \quad \sqrt{\frac{1}{49}} = \square$$

$$\sqrt{\frac{25}{81}} = \square \quad \sqrt{\frac{16}{25}} = \square \quad \sqrt{\frac{1}{81}} = \square$$

$$\sqrt{\frac{64}{576}} = \square \quad \sqrt{\frac{121}{484}} = \square \quad \sqrt{\frac{196}{784}} = \square$$

$$\sqrt{\frac{144}{576}} = \square \quad \sqrt{\frac{36}{100}} = \square \quad \sqrt{\frac{100}{400}} = \square$$

$$\sqrt{\frac{25}{36}} = \square \quad \sqrt{\frac{9}{36}} = \square \quad \sqrt{\frac{4}{36}} = \square$$

Answers

Calculate and simplify the following perfect square roots.

$$\sqrt{\frac{1}{4}} = \boxed{\frac{1}{2}}$$

$$\sqrt{\frac{1}{36}} = \boxed{\frac{1}{6}}$$

$$\sqrt{\frac{16}{49}} = \boxed{\frac{4}{7}}$$

$$\sqrt{\frac{16}{144}} = \boxed{\frac{1}{3}}$$

$$\sqrt{\frac{100}{169}} = \boxed{\frac{10}{13}}$$

$$\sqrt{\frac{484}{625}} = \boxed{\frac{22}{25}}$$

$$\sqrt{\frac{400}{900}} = \boxed{\frac{2}{3}}$$

$$\sqrt{\frac{64}{144}} = \boxed{\frac{2}{3}}$$

$$\sqrt{\frac{64}{100}} = \boxed{\frac{4}{5}}$$

$$\sqrt{\frac{16}{64}} = \boxed{\frac{1}{2}}$$

$$\sqrt{\frac{49}{64}} = \boxed{\frac{7}{8}}$$

$$\sqrt{\frac{1}{49}} = \boxed{\frac{1}{7}}$$

$$\sqrt{\frac{25}{81}} = \boxed{\frac{5}{9}}$$

$$\sqrt{\frac{16}{25}} = \boxed{\frac{4}{5}}$$

$$\sqrt{\frac{1}{81}} = \boxed{\frac{1}{9}}$$

$$\sqrt{\frac{64}{576}} = \boxed{\frac{1}{3}}$$

$$\sqrt{\frac{121}{484}} = \boxed{\frac{1}{2}}$$

$$\sqrt{\frac{196}{784}} = \boxed{\frac{1}{2}}$$

$$\sqrt{\frac{144}{576}} = \boxed{\frac{1}{2}}$$

$$\sqrt{\frac{36}{100}} = \boxed{\frac{3}{5}}$$

$$\sqrt{\frac{100}{400}} = \boxed{\frac{1}{2}}$$

$$\sqrt{\frac{25}{36}} = \boxed{\frac{5}{6}}$$

$$\sqrt{\frac{9}{36}} = \boxed{\frac{1}{2}}$$

$$\sqrt{\frac{4}{36}} = \boxed{\frac{1}{3}}$$