

Square Root Fractions

Name: _____ Score: _____

Calculate and simplify the following square roots.

$$\sqrt{\frac{10}{40}} = \square \quad \sqrt{\frac{11}{99}} = \square \quad \sqrt{\frac{25}{49}} = \square$$

$$\sqrt{\frac{10}{640}} = \square \quad \sqrt{\frac{200}{128}} = \square \quad \sqrt{\frac{324}{441}} = \square$$

$$\sqrt{\frac{225}{400}} = \square \quad \sqrt{\frac{100}{64}} = \square \quad \sqrt{\frac{192}{27}} = \square$$

$$\sqrt{\frac{18}{32}} = \square \quad \sqrt{\frac{20}{80}} = \square \quad \sqrt{\frac{4}{64}} = \square$$

$$\sqrt{\frac{54}{96}} = \square \quad \sqrt{\frac{27}{75}} = \square \quad \sqrt{\frac{10}{90}} = \square$$

$$\sqrt{\frac{20}{125}} = \square \quad \sqrt{\frac{200}{800}} = \square \quad \sqrt{\frac{110}{990}} = \square$$

$$\sqrt{\frac{125}{500}} = \square \quad \sqrt{\frac{10}{250}} = \square \quad \sqrt{\frac{100}{625}} = \square$$

$$\sqrt{\frac{12}{48}} = \square \quad \sqrt{\frac{2}{72}} = \square \quad \sqrt{\frac{3}{75}} = \square$$

Answers

Calculate and simplify the following square roots.

$$\sqrt{\frac{10}{40}} = \boxed{\frac{1}{2}} \quad \sqrt{\frac{11}{99}} = \boxed{\frac{1}{3}} \quad \sqrt{\frac{25}{49}} = \boxed{\frac{5}{7}}$$

$$\sqrt{\frac{10}{640}} = \boxed{\frac{1}{8}} \quad \sqrt{\frac{200}{128}} = \boxed{\frac{5}{4}} \quad \sqrt{\frac{324}{441}} = \boxed{\frac{6}{7}}$$

$$\sqrt{\frac{225}{400}} = \boxed{\frac{3}{4}} \quad \sqrt{\frac{100}{64}} = \boxed{\frac{5}{4}} \quad \sqrt{\frac{192}{27}} = \boxed{\frac{8}{3}}$$

$$\sqrt{\frac{18}{32}} = \boxed{\frac{3}{4}} \quad \sqrt{\frac{20}{80}} = \boxed{\frac{1}{2}} \quad \sqrt{\frac{4}{64}} = \boxed{\frac{1}{4}}$$

$$\sqrt{\frac{54}{96}} = \boxed{\frac{3}{4}} \quad \sqrt{\frac{27}{75}} = \boxed{\frac{3}{5}} \quad \sqrt{\frac{10}{90}} = \boxed{\frac{1}{3}}$$

$$\sqrt{\frac{20}{125}} = \boxed{\frac{2}{5}} \quad \sqrt{\frac{200}{800}} = \boxed{\frac{1}{2}} \quad \sqrt{\frac{110}{990}} = \boxed{\frac{1}{3}}$$

$$\sqrt{\frac{125}{500}} = \boxed{\frac{1}{2}} \quad \sqrt{\frac{10}{250}} = \boxed{\frac{1}{5}} \quad \sqrt{\frac{100}{625}} = \boxed{\frac{2}{5}}$$

$$\sqrt{\frac{12}{48}} = \boxed{\frac{1}{4}} \quad \sqrt{\frac{2}{72}} = \boxed{\frac{1}{6}} \quad \sqrt{\frac{3}{75}} = \boxed{\frac{1}{5}}$$