Square Root Fractions

Name: _____ Score: _____

Calculate and simplify the following square roots.

$\sqrt{\frac{11}{44}}$ = ☐ $\sqrt{\frac{10}{90}}$ = ☐ $\sqrt{\frac{50}{98}}$ = ☐

$\sqrt{\frac{20}{320}}$ = ☐ $\sqrt{\frac{100}{256}}$ = ☐ $\sqrt{\frac{441}{324}}$ = ☐

$\sqrt{\frac{100}{400}}$ = ☐ $\sqrt{\frac{121}{64}}$ = ☐ $\sqrt{\frac{3}{27}}$ = ☐

$\sqrt{\frac{45}{80}}$ = ☐ $\sqrt{\frac{21}{84}}$ = ☐ $\sqrt{\frac{2}{32}}$ = ☐

$\sqrt{\frac{27}{48}}$ = ☐ $\sqrt{\frac{9}{25}}$ = ☐ $\sqrt{\frac{11}{99}}$ = ☐

$\sqrt{\frac{40}{250}}$ = ☐ $\sqrt{\frac{111}{444}}$ = ☐ $\sqrt{\frac{105}{945}}$ = ☐

$\sqrt{\frac{137}{548}}$ = ☐ $\sqrt{\frac{30}{750}}$ = ☐ $\sqrt{\frac{567}{112}}$ = ☐

$\sqrt{\frac{13}{52}}$ = ☐ $\sqrt{\frac{1}{36}}$ = ☐ $\sqrt{\frac{1}{25}}$ = ☐

Answers

Calculate and simplify the following square roots.

$\sqrt{\frac{11}{44}} = \frac{1}{2}$ $\sqrt{\frac{10}{90}} = \frac{1}{3}$ $\sqrt{\frac{50}{98}} = \frac{5}{7}$

$\sqrt{\frac{20}{320}} = \frac{1}{4}$ $\sqrt{\frac{100}{256}} = \frac{5}{8}$ $\sqrt{\frac{441}{324}} = \frac{7}{6}$

$\sqrt{\frac{100}{400}} = \frac{1}{2}$ $\sqrt{\frac{121}{64}} = \frac{11}{8}$ $\sqrt{\frac{3}{27}} = \frac{1}{3}$

$\sqrt{\frac{45}{80}} = \frac{3}{4}$ $\sqrt{\frac{21}{84}} = \frac{1}{2}$ $\sqrt{\frac{2}{32}} = \frac{1}{4}$

$\sqrt{\frac{27}{48}} = \frac{3}{4}$ $\sqrt{\frac{9}{25}} = \frac{3}{5}$ $\sqrt{\frac{11}{99}} = \frac{1}{3}$

$\sqrt{\frac{40}{250}} = \frac{2}{5}$ $\sqrt{\frac{111}{444}} = \frac{1}{2}$ $\sqrt{\frac{105}{945}} = \frac{1}{3}$

$\sqrt{\frac{137}{548}} = \frac{1}{2}$ $\sqrt{\frac{30}{750}} = \frac{1}{5}$ $\sqrt{\frac{567}{112}} = \frac{9}{4}$

$\sqrt{\frac{13}{52}} = \frac{1}{4}$ $\sqrt{\frac{1}{36}} = \frac{1}{6}$ $\sqrt{\frac{1}{25}} = \frac{1}{5}$