

1.15.16

Divide the following radicals and rationalize the denominator.

$$\frac{6\sqrt{10} \div 10}{2\sqrt{30} \div 10} = \frac{\cancel{3}\sqrt{3}}{\cancel{2}} = \boxed{\sqrt{3}}$$

$$\frac{5\sqrt{21} \div 7}{\sqrt{35} \div 7} = \boxed{\sqrt{15}}$$

$$\frac{3}{\sqrt{3}} \cdot \frac{\sqrt{3}}{\sqrt{3}} = \frac{3\sqrt{3}}{\sqrt{9}} = \frac{3\sqrt{3}}{3} = \sqrt{3}$$

$$\frac{5\sqrt{15}}{\sqrt{25}} = \frac{5\sqrt{15}}{5} = \sqrt{15}$$