

## 9-3 Dividing Radicals (ver1)\_hw

Simplify.

1)  $\frac{\sqrt{4}}{\sqrt{25}}$

2)  $\frac{\sqrt{9}}{\sqrt{16}}$

3)  $\frac{\sqrt{2}}{\sqrt{16}}$

4)  $\frac{\sqrt{2}}{\sqrt{8}}$

5)  $\frac{\sqrt{10}}{\sqrt{2}}$

6)  $\frac{\sqrt{5}}{\sqrt{125}}$

7)  $\frac{\sqrt{25}}{\sqrt{9}}$

8)  $\frac{\sqrt{20}}{\sqrt{36}}$

9)  $\frac{\sqrt{10}}{\sqrt{4}}$

10)  $\frac{\sqrt{10}}{\sqrt{25}}$

11)  $\frac{\sqrt{15}}{\sqrt{48}}$

12)  $\frac{\sqrt{2}}{\sqrt{32}}$

13)  $\frac{\sqrt{12}}{\sqrt{9}}$

14)  $\frac{\sqrt{8}}{\sqrt{4}}$

15)  $\frac{\sqrt{8}}{\sqrt{100}}$

16)  $\frac{\sqrt{20}}{\sqrt{45}}$

$$17) \frac{\sqrt{2}}{\sqrt{18}}$$

$$18) \frac{\sqrt{10}}{\sqrt{18}}$$

$$\begin{array}{l} 20) \frac{2}{5} \\ 24) \frac{\sqrt{7}}{2} \\ 28) \frac{2}{5} \\ 32) 1 \end{array}$$

$$19) \frac{\sqrt{12}}{\sqrt{64}}$$

$$20) \frac{\sqrt{20}}{\sqrt{125}}$$

$$\begin{array}{l} 19) \frac{\sqrt{3}}{4} \\ 23) \frac{\sqrt{7}}{6} \\ 27) \frac{\sqrt{2}}{4} \\ 31) \frac{4}{9} \end{array}$$

$$21) \frac{\sqrt{14}}{\sqrt{36}}$$

$$22) \frac{\sqrt{6}}{\sqrt{8}}$$

$$\begin{array}{l} 18) \frac{\sqrt{5}}{3} \\ 22) \frac{\sqrt{3}}{2} \\ 26) \frac{\sqrt{5}}{2} \\ 30) \frac{\sqrt{3}}{4} \end{array}$$

$$23) \frac{\sqrt{35}}{\sqrt{180}}$$

$$24) \frac{\sqrt{28}}{\sqrt{16}}$$

$$\begin{array}{l} 17) \frac{1}{3} \\ 21) \frac{\sqrt{14}}{6} \\ 25) \frac{\sqrt{5}}{6} \\ 29) \frac{\sqrt{6}}{3} \end{array}$$

$$25) \frac{\sqrt{10}}{\sqrt{72}}$$

$$26) \frac{\sqrt{30}}{\sqrt{24}}$$

$$\begin{array}{l} 1) \frac{1}{2} \\ 4) \frac{2}{3} \\ 8) \frac{\sqrt{5}}{3} \\ 12) \frac{1}{4} \\ 16) \frac{2}{3} \end{array}$$

$$27) \frac{\sqrt{8}}{\sqrt{64}}$$

$$28) \frac{\sqrt{24}}{\sqrt{150}}$$

$$\begin{array}{l} 3) \frac{\sqrt{2}}{4} \\ 7) \frac{5}{3} \\ 11) \frac{\sqrt{5}}{4} \\ 15) \frac{\sqrt{2}}{5} \end{array}$$

$$29) \frac{4\sqrt{24}}{4\sqrt{36}}$$

$$30) \frac{3\sqrt{6}}{6\sqrt{8}}$$

$$\begin{array}{l} 2) \frac{3}{4} \\ 6) \frac{1}{5} \\ 10) \frac{\sqrt{10}}{5} \\ 14) \sqrt{2} \end{array}$$

$$31) \frac{4\sqrt{3}}{3\sqrt{27}}$$

$$32) \frac{2\sqrt{36}}{6\sqrt{4}}$$

Answers to 9-3 Dividing Radicals (ver1)\_hw

$$\begin{array}{l} 1) \frac{2}{5} \\ 5) \sqrt{5} \\ 9) \frac{\sqrt{10}}{2} \\ 13) \frac{2\sqrt{3}}{3} \end{array}$$