

More w/ Radicals

March 21, 2007

$$\begin{aligned} & 4 \cdot \sqrt{16} \\ &= 4 \cdot \sqrt{4 \cdot 4} \\ &= 4 \cdot 2 \cdot 2 = \underline{\underline{16}} \end{aligned}$$

$$\begin{aligned} & 4 \cdot \sqrt{16} \\ &= 4 \cdot 4 = \underline{\underline{16}} \end{aligned}$$

$$\begin{aligned} & 3 \sqrt{220} \\ &= 3 \cdot \sqrt{4} \cdot \sqrt{55} \\ &= 3 \cdot 2 \sqrt{55} \\ &= 6 \sqrt{55} \end{aligned}$$

$$\frac{\sqrt{64}}{4} = \frac{8}{4} = \underline{\underline{2}}$$

$$\sqrt{\frac{64}{4}} = \frac{\sqrt{64}}{\sqrt{4}} = \frac{8}{2} = \underline{\underline{4}}$$

$$\sqrt{16} = \underline{\underline{4}}$$

$$\frac{\sqrt{75}}{5} = \frac{\sqrt{25} \cdot \sqrt{3}}{5}$$

$$= \frac{\cancel{5} \cdot \sqrt{3}}{\cancel{5}} = \sqrt{3}$$

$$\sqrt{\frac{75}{5}} = \frac{\sqrt{75}}{\sqrt{5}}$$

$$= \frac{\sqrt{25} \cdot \sqrt{3}}{\sqrt{5}} = \frac{5 \sqrt{3}}{\sqrt{5}} = \frac{5 \sqrt{3}}{\sqrt{5}} \cdot \frac{\sqrt{5}}{\sqrt{5}}$$

$$= \frac{\cancel{5} \cdot \sqrt{15}}{\cancel{5}} = \underline{\underline{\sqrt{15}}}$$

$$\sqrt{\frac{75}{5}} = \underline{\underline{\sqrt{15}}}$$

$$\sqrt{\frac{6}{5}} = \frac{\sqrt{6}}{\sqrt{5}} \cdot \frac{\sqrt{5}}{\sqrt{5}} = \frac{\sqrt{30}}{\underline{\underline{5}}}$$

* 1 in
the form
of $\frac{\sqrt{5}}{\sqrt{5}}$

O.T.L.
pg 514-515

21-43 (o)

47-73 (e o o)

Crissi - Cross Your Notebooks
↓ Turn in on Reg. under fan.