

Simplyfing Square Roots #4

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Date_____ Period____

Simplify.

1) $\sqrt{10} \cdot \sqrt{5}$

2) $\sqrt{5} \cdot 4\sqrt{5}$

3) $2\sqrt{20} \cdot \sqrt{2}$

4) $\sqrt{2} \cdot \sqrt{2}$

5) $\sqrt{3} \cdot \sqrt{2}$

6) $\sqrt{6} \cdot \sqrt{10}$

7) $-4\sqrt{10} \cdot 5\sqrt{10}$

8) $\sqrt{15} \cdot \sqrt{6}$

9) $2\sqrt{3} \cdot \sqrt{6}$

10) $\sqrt{8} \cdot -\sqrt{2}$

$$11) 2\sqrt{3}(2 + \sqrt{3})$$

$$12) \sqrt{3}(\sqrt{6} + \sqrt{2})$$

$$13) -2\sqrt{3}(\sqrt{6} - 4\sqrt{2})$$

$$14) \sqrt{2}(2\sqrt{2} + 2)$$

$$15) \sqrt{2}(\sqrt{6} + 3)$$

$$16) \sqrt{15}(\sqrt{3} + 5)$$

$$17) \sqrt{15}(4\sqrt{3} + 3)$$

$$18) -3\sqrt{15}(\sqrt{5} + 2)$$

$$19) 4\sqrt{15}(\sqrt{3} + 5)$$

$$20) -4\sqrt{2}(-5\sqrt{2} + 5\sqrt{6})$$

$$21) \frac{\sqrt{9}}{\sqrt{16}}$$

$$22) \frac{2\sqrt{15}}{\sqrt{9}}$$

$$23) \frac{5\sqrt{5}}{4\sqrt{125}}$$

$$24) \frac{\sqrt{8}}{5\sqrt{9}}$$

$$25) \frac{\sqrt{2}}{5\sqrt{8}}$$

$$26) \frac{\sqrt{2}}{\sqrt{18}}$$

$$27) \frac{\sqrt{4}}{2\sqrt{25}}$$

$$28) \frac{4\sqrt{12}}{5\sqrt{16}}$$

$$29) \frac{4\sqrt{8}}{5\sqrt{50}}$$

$$30) \frac{4\sqrt{6}}{3\sqrt{16}}$$

$$31) \frac{4\sqrt{10}}{\sqrt{18}}$$

$$32) \frac{\sqrt{15}}{\sqrt{12}}$$

$$33) \frac{4\sqrt{8}}{\sqrt{25}}$$

$$34) \frac{4\sqrt{12}}{5\sqrt{9}}$$

$$35) \frac{\sqrt{15}}{4\sqrt{12}}$$

$$36) \frac{\sqrt{10}}{\sqrt{5}}$$

$$37) \frac{\sqrt{6}}{5\sqrt{25}}$$

$$38) \frac{3\sqrt{10}}{2\sqrt{32}}$$

$$39) \frac{3\sqrt{20}}{\sqrt{64}}$$

$$40) \frac{2\sqrt{2}}{\sqrt{50}}$$