Name : _____

Score : _____ Date : _____

MATH MONKS

Multiplying and Dividing Radicals

Simplify.

1. $\sqrt{3} \cdot \sqrt{3}$
2. $4\sqrt{15} \cdot \sqrt{3}$
3. $\sqrt{10} \cdot \sqrt{3}$
4. $\sqrt{3} \cdot \sqrt{6}$
5. $\sqrt{5} \cdot \sqrt{3}$
6. $\sqrt{6} \cdot \sqrt{6}$
7. $\frac{\sqrt{36}}{\sqrt{4}}$
8. $\frac{\sqrt{25}}{\sqrt{9}}$
9. $\frac{2\sqrt{20}}{\sqrt{4}}$
10. $\frac{-3 - \sqrt{2}}{\sqrt{3}}$
11. $\frac{5}{\sqrt{7}}$
12. $\frac{4\sqrt{28}}{\sqrt{4}}$

Name : _____

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MATH MONKS

Multiplying and Dividing Radicals

Answers

$\sqrt{3} \cdot \sqrt{3}$

$= 3$

$4\sqrt{15} \cdot \sqrt{3}$

$= 12\sqrt{3}$

$\sqrt{10} \cdot \sqrt{3}$

$= \sqrt{30}$

$\sqrt{3} \cdot \sqrt{6}$

$= 3\sqrt{2}$

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

$= \sqrt{15}$

$\sqrt{6} \cdot \sqrt{6}$

$= 6$

$\frac{\sqrt{36}}{\sqrt{4}}$

$= 3$

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

$= \frac{5}{3}$

$\frac{2\sqrt{20}}{\sqrt{4}}$

$= 2\sqrt{5}$

$\frac{-3 - \sqrt{2}}{\sqrt{3}}$

$= \sqrt{6}$

$\frac{5}{\sqrt{7}}$

$= \frac{5}{\sqrt{7}}$

$\frac{4\sqrt{28}}{\sqrt{4}}$

$= 4\sqrt{7}$