

Multiplying Surds

Simplify your answers, where possible:

1. $\sqrt{2} \times \sqrt{3}$

2. $\sqrt{4} \times \sqrt{3}$

3. $\sqrt{5} \times \sqrt{3}$

4. $\sqrt{6} \times \sqrt{3}$

5. $\sqrt{24} \times \sqrt{3}$

6. $\sqrt{12} \times \sqrt{3}$

7. $\sqrt{12} \times \sqrt{4}$

8. $\sqrt{11} \times \sqrt{4}$

9. $\sqrt{10} \times \sqrt{4}$

10. $\sqrt{10} \times \sqrt{8}$

11. $\sqrt{20} \times \sqrt{4}$

12. $\sqrt{20} \times \sqrt{5}$

13. $\sqrt{20} \times \sqrt{10}$

14. $\sqrt{20} \times \sqrt{20}$

15. $\sqrt{20} \times \sqrt{40}$

16. $\sqrt{20} \times \sqrt{80}$

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Multiplying Surds: ANSWERS

1. $\sqrt{6}$

2. $2\sqrt{3}$

3. $\sqrt{15}$

4. $3\sqrt{2}$

5. $6\sqrt{2}$

6. 6

7. $4\sqrt{3}$

8. $2\sqrt{11}$

9. $2\sqrt{10}$

10. $4\sqrt{5}$

11. $4\sqrt{5}$

12. 10

13. $10\sqrt{2}$

14. 20

15. $20\sqrt{2}$

16. 40

Multiplying Surds: ANSWERS

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12. 10

13. $10\sqrt{2}$

14. 20

15. $20\sqrt{2}$

16. 40