

8-3 Radicals

Name: _____

Time Start: _____ Finish: _____

Total Time = _____

Simplify each radical below.

1. $\sqrt{40} =$ _____

2. $\sqrt{50} =$ _____

3. $\sqrt{200} =$ _____

4. $\sqrt{18} =$ _____

5. $\sqrt{32} =$ _____

6. $\sqrt{1000} =$ _____

7. $\sqrt{84} =$ _____

8. $\sqrt{800} =$ _____

9. $\sqrt{288} =$ _____

10. $\sqrt{294} =$ _____

11. $\sqrt{150} =$ _____

12. $\sqrt{450} =$ _____

13. $2\sqrt{3} \cdot \sqrt{3} =$ _____

14. $2\sqrt{3} \cdot 5\sqrt{3} =$ _____

15. $\sqrt{13} \cdot \sqrt{13} =$ _____

16. $5\sqrt{5} \cdot \sqrt{5} =$ _____

17. $2\sqrt{5} \cdot 5\sqrt{3} =$ _____

18. $4 \cdot 2\sqrt{3} =$ _____

19. $7\sqrt{3} \cdot 2\sqrt{3} =$ _____

20. $2\sqrt{5} \cdot \sqrt{2} =$ _____

21. $4\sqrt{7} \cdot 2\sqrt{3} =$ _____

22. $\sqrt{3} \cdot \sqrt{2} \cdot \sqrt{3} \cdot \sqrt{2} =$ _____

23. $\sqrt{5} \cdot \sqrt{2} \cdot \sqrt{3} \cdot \sqrt{2} =$ _____

24. $2\sqrt{3} \cdot 2\sqrt{2} \cdot 2\sqrt{3} \cdot \sqrt{2} =$ _____

25. $\sqrt{5} \cdot 3\sqrt{2} \cdot \sqrt{3} \cdot 2\sqrt{5} =$ _____

26. $\frac{2}{\sqrt{3}} =$ _____

27. $\frac{3}{\sqrt{11}} =$ _____

28. $\frac{7}{\sqrt{7}} =$ _____

29. $\frac{3}{\sqrt{3}} =$ _____

30. $\frac{5}{\sqrt{5}} =$ _____

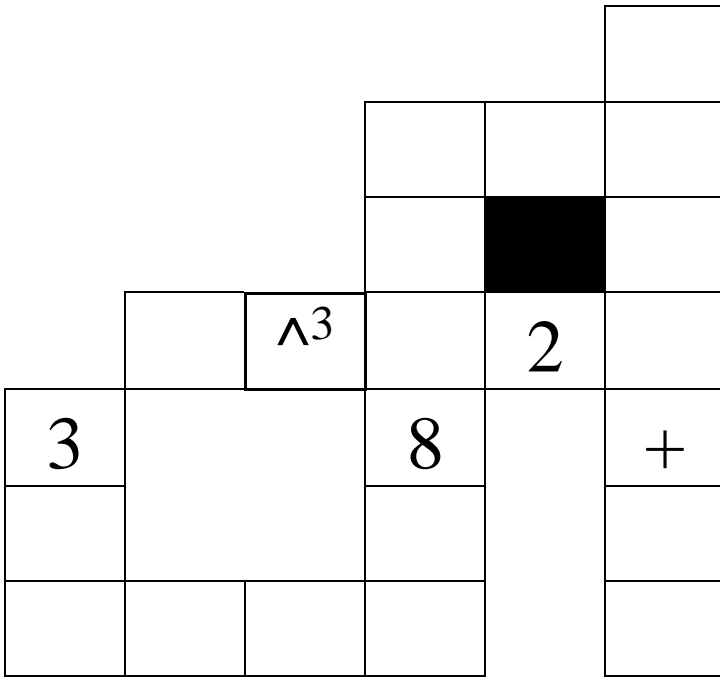
31. $\frac{10}{\sqrt{2}} =$ _____

32. $\frac{8}{\sqrt{2}} =$ _____

33. $\frac{12}{\sqrt{3}} =$ _____

34. $\frac{4}{\sqrt{2}} =$ _____

Mabble 16



1 2 3 3 4 4 6

7 7 8 ! * = =

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