



Square roots with Exponents; Addition and Subtraction; Division and Multiplication; and Perfect Squares

Grade 8 The Number System Worksheet

Date: _____

Name: _____

LET'S MAKE LEARNING SQUARE ROOTS FUN

Find the square roots of the following.

1. $(\sqrt{16})^2 = \square$

2. $\sqrt{196} + \sqrt{256} = \square$

3. $\sqrt{\frac{0}{3}} = \square$

4. $(\sqrt{25})^2 = \square$

5. $\sqrt{324} \times \sqrt{121} = \square$

6. $\frac{\sqrt{144}}{\sqrt{9}} = \square$

7. $(\sqrt{256})^2 = \square$

8. $\frac{(\sqrt{36})^2}{\sqrt{9}} = \square$

9. $\sqrt{36} + \sqrt{169} = \square$

10. $\sqrt{\frac{44}{11}} = \square$

11. $\sqrt{361} \times \sqrt{0} = \square$

12. $(\sqrt{1})^2 = \square$

13. $\sqrt{\frac{1536}{6}} = \square$

14. $\sqrt{25} + \sqrt{4} = \square$

15. $\sqrt{256} - \sqrt{196} = \square$

16. $\sqrt{196} + \sqrt{169} = \square$

17. $\sqrt{121} - \sqrt{324} = \square$

18. $\sqrt{\frac{144}{9}} = \square$

19. $\sqrt{\frac{1000}{10}} = \square$

20. $\frac{\sqrt{100}}{(\sqrt{10^2})} = \square$



Square roots with Exponents; Addition and Subtraction; Division and Multiplication; and Perfect Squares

Grade 8 The Number System Answer Sheet

1.	$(\sqrt{16})^2 = $ <input type="text" value="16"/>	11.	$\sqrt{361} \times \sqrt{0} = $ <input type="text" value="19"/>
2.	$\sqrt{196} + \sqrt{256} = $ <input type="text" value="30"/>	12.	$(\sqrt{1})^2 = $ <input type="text" value="1"/>
3.	$\sqrt{\frac{0}{3}} = $ <input type="text" value="0"/>	13.	$\sqrt{\frac{1536}{6}} = $ <input type="text" value="16"/>
4.	$(\sqrt{25})^2 = $ <input type="text" value="25"/>	14.	$\sqrt{25} + \sqrt{4} = $ <input type="text" value="7"/>
5.	$\sqrt{324} \times \sqrt{121} = $ <input type="text" value="198"/>	15.	$\sqrt{256} - \sqrt{196} = $ <input type="text" value="2"/>
6.	$\frac{\sqrt{144}}{\sqrt{9}} = $ <input type="text" value="4"/>	16.	$\sqrt{196} + \sqrt{169} = $ <input type="text" value="27"/>
7.	$(\sqrt{256})^2 = $ <input type="text" value="256"/>	17.	$\sqrt{121} - \sqrt{324} = $ <input type="text" value="-7"/>
8.	$\frac{(\sqrt{36})^2}{\sqrt{9}} = $ <input type="text" value="12"/>	18.	$\sqrt{\frac{144}{9}} = $ <input type="text" value="4"/>
9.	$\sqrt{36} + \sqrt{169} = $ <input type="text" value="19"/>	19.	$\sqrt{\frac{1000}{10}} = $ <input type="text" value="10"/>
10.	$\sqrt{\frac{44}{11}} = $ <input type="text" value="2"/>	20.	$\frac{\sqrt{100}}{(\sqrt{10^2})} = $ <input type="text" value="1"/>