



Square Roots with Addition, Subtraction, 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. $\sqrt{0 + 0} + \sqrt{256} = \square$

2. $\sqrt{361 - 345} + \sqrt{64} = \square$

3. $\sqrt{139 + 5} - \sqrt{441} = \square$

4. $\sqrt{6 + 3} + \sqrt{484} = \square$

5. $\sqrt{500 - 211} - \sqrt{25} = \square$

6. $\sqrt{25 + 0} + \sqrt{400} = \square$

7. $\sqrt{206 + 155} + \sqrt{256} = \square$

8. $\sqrt{0 + 0} + \sqrt{121} = \square$

9. $\sqrt{199 + 285} - \sqrt{225} = \square$

10. $\sqrt{196} + \sqrt{204 - 8} = \square$

11. $\sqrt{49} - \sqrt{235 - 219} = \square$

12. $\sqrt{361} + \sqrt{4 + 0} = \square$

13. $\sqrt{9} + \sqrt{343 - 87} = \square$

14. $\sqrt{484} + \sqrt{589 - 300} = \square$

15. $\sqrt{736 - 480} - \sqrt{144} = \square$

16. $\sqrt{400} + \sqrt{7 + 18} = \square$

17. $\sqrt{0 + 0} - \sqrt{121} = \square$

18. $\sqrt{401 + 83} - \sqrt{16} = \square$

19. $\sqrt{324} + \sqrt{742 - 381} = \square$

20. $\sqrt{64} - \sqrt{180 - 11} = \square$



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Grade 8 The Number System Answer Sheet

$$1. \quad \sqrt{0 + 0} + \sqrt{256} = \boxed{16}$$

$$2. \quad \sqrt{361 - 345} + \sqrt{64} = \boxed{12}$$

$$3. \quad \sqrt{139 + 5} - \sqrt{441} = \boxed{-9}$$

$$4. \quad \sqrt{6 + 3} + \sqrt{484} = \boxed{25}$$

$$5. \quad \sqrt{500 - 211} - \sqrt{25} = \boxed{12}$$

$$6. \quad \sqrt{25 + 0} + \sqrt{400} = \boxed{25}$$

$$7. \quad \sqrt{206 + 155} + \sqrt{256} = \boxed{35}$$

$$8. \quad \sqrt{0 + 0} + \sqrt{121} = \boxed{11}$$

$$9. \quad \sqrt{199 + 285} - \sqrt{225} = \boxed{7}$$

$$10. \quad \sqrt{196} + \sqrt{204 - 8} = \boxed{28}$$

$$11. \quad \sqrt{49} - \sqrt{235 - 219} = \boxed{3}$$

$$12. \quad \sqrt{361} + \sqrt{4 + 0} = \boxed{21}$$

$$13. \quad \sqrt{9} + \sqrt{343 - 87} = \boxed{19}$$

$$14. \quad \sqrt{484} + \sqrt{589 - 300} = \boxed{39}$$

$$15. \quad \sqrt{736 - 480} - \sqrt{144} = \boxed{4}$$

$$16. \quad \sqrt{400} + \sqrt{7 + 18} = \boxed{25}$$

$$17. \quad \sqrt{0 + 0} - \sqrt{121} = \boxed{-11}$$

$$18. \quad \sqrt{401 + 83} - \sqrt{16} = \boxed{18}$$

$$19. \quad \sqrt{324} + \sqrt{742 - 381} = \boxed{37}$$

$$20. \quad \sqrt{64} - \sqrt{180 - 11} = \boxed{-5}$$