



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. $\sqrt{25} - \sqrt{49} = \square$

2. $\sqrt{81 - 45} = \square$

3. $\sqrt{25} + \sqrt{9} = \square$

4. $\sqrt{64} + \sqrt{81} = \square$

5. $\sqrt{36} - \sqrt{25} = \square$

6. $\sqrt{16} - \sqrt{36} = \square$

7. $\sqrt{16} - \sqrt{9} = \square$

8. $\sqrt{9} + \sqrt{100} = \square$

9. $\sqrt{4} + \sqrt{100} = \square$

10. $\sqrt{9} + \sqrt{16} = \square$

11. $\sqrt{144} - \sqrt{49} = \square$

12. $\sqrt{100} + \sqrt{25} = \square$

13. $\sqrt{64} - \sqrt{144} = \square$

14. $\sqrt{49} + \sqrt{144} = \square$

15. $\sqrt{81} + \sqrt{64} = \square$

16. $\sqrt{100} + \sqrt{64} = \square$

17. $\sqrt{107 - 58} = \square$

18. $\sqrt{121} + \sqrt{81} = \square$

19. $\sqrt{100 - 75} = \square$

20. $\sqrt{64} - \sqrt{169} = \square$



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Grade 8 The Number System Answer Sheet

1. $\sqrt{25} - \sqrt{49} = \boxed{-2}$

2. $\sqrt{81} - 45 = \boxed{6}$

3. $\sqrt{25} + \sqrt{9} = \boxed{8}$

4. $\sqrt{64} + \sqrt{81} = \boxed{17}$

5. $\sqrt{36} - \sqrt{25} = \boxed{1}$

6. $\sqrt{16} - \sqrt{36} = \boxed{-2}$

7. $\sqrt{16} - \sqrt{9} = \boxed{1}$

8. $\sqrt{9} + \sqrt{100} = \boxed{13}$

9. $\sqrt{4} + \sqrt{100} = \boxed{12}$

10. $\sqrt{9} + \sqrt{16} = \boxed{7}$

11. $\sqrt{144} - \sqrt{49} = \boxed{5}$

12. $\sqrt{100} + \sqrt{25} = \boxed{15}$

13. $\sqrt{64} - \sqrt{144} = \boxed{-4}$

14. $\sqrt{49} + \sqrt{144} = \boxed{19}$

15. $\sqrt{81} + \sqrt{64} = \boxed{17}$

16. $\sqrt{100} + \sqrt{64} = \boxed{18}$

17. $\sqrt{107 - 58} = \boxed{7}$

18. $\sqrt{121} + \sqrt{81} = \boxed{20}$

19. $\sqrt{100 - 75} = \boxed{5}$

20. $\sqrt{64} - \sqrt{169} = \boxed{-5}$