

Exploring Square Roots and Irrational Numbers

Find the square root of each number.

1. $\sqrt{81}$

2. $\sqrt{49}$

3. $\sqrt{36}$

4. $\sqrt{100}$

5. $\sqrt{4}$

6. $\sqrt{16}$

7. $\sqrt{144}$

8. $\sqrt{1}$

9. $\sqrt{121}$

10. $\sqrt{25}$

11. $\sqrt{9}$

12. $\sqrt{169}$

Identify each number as *rational* or *irrational*.

13. $\sqrt{16}$

14. $\sqrt{11}$

15. $\sqrt{196}$

16. $\frac{4}{5}$

17. $0.\overline{712}$

18. 0.333333333

19. $\sqrt{3}$

20. 5.2

21. 0.1010010001 ...

22. $-\sqrt{25}$

23. $\sqrt{306}$

24. 2.7064

Determine between which two consecutive whole numbers the square root will fall.

25. 75

26. 10

27. 30

28. 3

29. 45

30. 60

31. 97

32. 23

33. 106
