

LESSON
1-1

Rational and Irrational Numbers

Practice and Problem Solving: A/B

Write each fraction as a decimal.

1. $\frac{1}{8}$

2. $\frac{9}{16}$

3. $\frac{11}{20}$

4. $5\frac{8}{25}$

5. $\frac{14}{15}$

6. $2\frac{7}{12}$

7. $\frac{3}{100}$

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

Find the two square roots of each number.

9. 25

10. 1

11. $\frac{25}{4}$

12. $\frac{121}{49}$

Find the cube root of each number.

13. 8

14. 216

15. 1

16. 2197

Approximate each irrational number to the nearest hundredth without using a calculator.

17. $\sqrt{32}$

18. $\sqrt{118}$

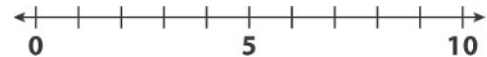
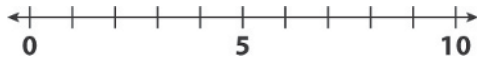
19. $\sqrt{18}$

20. $\sqrt{319}$

Approximate each irrational number to the nearest hundredth without using a calculator. Then plot each number on a number line.

21. $\sqrt{8}$ _____

22. $\sqrt{75}$ _____



23. A tablet weighs 1.23 pounds. What is its weight written as a mixed number?

24. The area of a square mirror is 256 in^2 . A rectangular mirror has a width the same as the square mirror's width. Its length is two inches longer than its width. What is the area of the rectangular mirror?
