

LESSON
1-1**Rational and Irrational Numbers****Practice and Problem Solving: D**

Write each fraction as a decimal. The first one is done for you.

1. $\frac{1}{9}$

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

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

Write each decimal as a fraction in simplest form. The first one is done for you.

4. 0.258

5. 4.8

6. 0.333

Find the two square roots of each number. The first one is done for you.

7. 16

8. 49

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

Find the cube root of each number. The first one is done for you.

10. 343

11. 1

12. $\frac{8}{27}$

Approximate each irrational number to the nearest hundredth without using a calculator. The first one is done for you.

13. $\sqrt{32}$

14. $\sqrt{59}$

15. $\sqrt{118}$

Solve.

16. The world's smallest country is Vatican City. It covers $\frac{17}{100}$ square mile. What is Vatican City's area written as a decimal?

17. A square sandbox has an area of 25 ft². What is the length of each of its sides? (Hint: side = $\sqrt{25}$)