

Name: _____



PRACTICE



TUTORIAL

1-2 Additional Practice

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Leveled Practice In 1–4, write the decimal equivalent for each rational number.

1. $\frac{7}{9}$

2. $\frac{9}{20}$

3. $\frac{1}{18}$

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

5. A recipe calls for $\frac{1}{2}$ cup of milk. Express the number of cups of milk as a decimal.

6. The result of an experiment was $117\frac{151}{200}$ particles per milliliter. Write the decimal equivalent for $117\frac{151}{200}$.

7. Which of these rational numbers is a repeating decimal? Select all that apply.

$-0.\overline{347}$

3.611

-1.35

$2.1\overline{53}$

7.777

8. A bowl weighs $\frac{11}{40}$ pound.

a. Express this weight as a decimal.

b. **Reasoning** Explain how you can find the decimal by thinking of the denominator as a 4 and using mental math. © MP.2



9. Determine whether each is rational or not rational.

a. $-12.161616\dots$

b. $9.0832748175\dots$

c. 49

10. Is $0.040040004\dots$ a rational number? Explain your reasoning.

11. During a thunderstorm, 143 out of 333 houses lost electrical power.

a. Write the decimal equivalent for $\frac{143}{333}$.

b. **Use Structure** What do you notice about the digits in the decimal equivalent? © MP.7

12. Write the decimal expansion for each rational number.

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

b. $\frac{10}{11}$

c. $1\frac{5}{27}$

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13. Which is the decimal equivalent for $9\frac{11}{27}$?

Ⓐ $9.4\overline{07}$

Ⓑ $9.\overline{407}$

Ⓒ $9.4\overline{07}$

Ⓓ $9.\overline{470}$

14. The number of hours in 80 minutes is $\frac{80}{60}$. Which of these statements is true? Select all that apply.

The number of hours in decimal form is 1.3.

The amount of time is a full hour and $\frac{1}{3}$ hour.

The number of hours is a terminating decimal.

The number of hours is between 1 and 1.35.

Dividing 6 by 8 will give the correct decimal value.

