

Terminating and Repeating Decimals

Guided Practice



Write each fraction as a decimal. Use bar notation if necessary. (Examples 1–3)

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

2. $-\frac{1}{33} =$ _____

3. $-2\frac{5}{6} =$ _____

4. $\frac{10}{15} =$ _____

5. $-\frac{4}{5} =$ _____

6. $1\frac{5}{9} =$ _____

7. Dana bought $\frac{2}{3}$ yard of fabric to make a new purse. Write the amount of fabric she used as a decimal. (Example 4)
- _____

Independent Practice

Write each fraction as a decimal. Use bar notation if necessary.

(Examples 1–3)

$\frac{7}{15} =$ _____

2. $\frac{8}{18} =$ _____

3. $-\frac{8}{12} =$ _____

4. $-\frac{6}{7} =$ _____

5. $3\frac{15}{44} =$ _____

6. $-2\frac{5}{22} =$ _____

7. Sarafina had 34 out of 99 hits when she was at bat during the softball season. What was her batting average? (Example 4)
- _____

8. Shiv and his friends ate $3\frac{1}{6}$ pizzas. Write this amount as a decimal. (Example 4)
- _____

Show your work.

Write each decimal as a fraction or mixed number in simplest form.

9. $-0.9 =$ _____

10. $-0.85 =$ _____

11. $-3.8 =$ _____

Evaluate each expression.

12. $|-2.3| =$ _____

13. $|\frac{4}{13}| =$ _____

14. $|-8\frac{7}{11}| =$ _____

STEM There are over 2,700 species of snakes in the world. Over 600 species are venomous. Write the fraction of species that are *not* venomous as a decimal. _____

Extra Practice

Write each fraction as a decimal. Use bar notation if necessary.

25. $-\frac{7}{10} =$ _____

26. $2\frac{5}{7} =$ _____

27. $-1\frac{80}{99} =$ _____

28. Cris answered 61 out of 66 questions correctly on a test. What is his test average to the nearest thousandth? _____

Write each decimal as a fraction or mixed number in simplest form.

29. $-0.15 =$ _____

30. $-7.75 =$ _____

31. $-12.54 =$ _____