



SKILL 2: Equivalent Decimals and Writing a Decimal as a Fraction

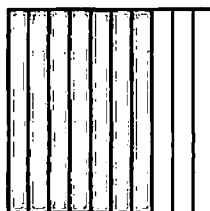
Annexing, or writing, zeros to the right of the last nonzero digit in a decimal does not change the value of the decimal number.

Example 1

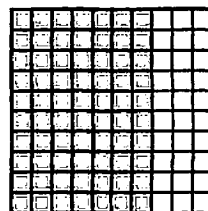
The same decimal is shown by each grid.

0.7 and 0.70 are **equivalent** decimals.

$$0.7 = 0.70$$



0.7

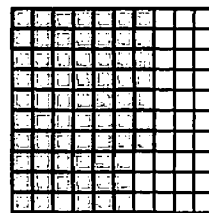


0.70

Example 2

The grid at the right shows 67 hundredths. You can write this number as a decimal or as a fraction. Remember, a denominator of 100 shows hundredths.

$$0.67 = \frac{67}{100}$$



Guided Practice

Write each decimal as an equivalent decimal in hundredths.

1. $0.6 = 0.6$ _____ 2. $5.9 = 5.9$ _____ 3. $12.8 =$ _____ 4. $0.200 =$ _____

Write each decimal as an equivalent decimal in thousandths.

5. $0.37 = 0.37$ _____ 6. $2.4 = 2.4$ _____ 7. $6.05 =$ _____ 8. $1.6 =$ _____

Write each decimal as a fraction or as a whole number and fraction.

9. $0.8 = \frac{\square}{10}$ 10. $1.45 = 1\frac{\square}{100}$ 11. $3.12 = 3\frac{\square}{\square}$ 12. $0.167 = \frac{\square}{\square}$

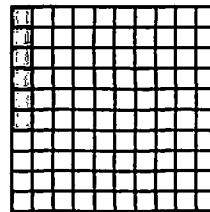
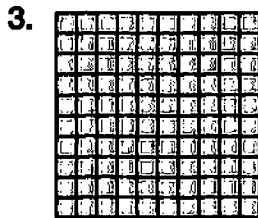
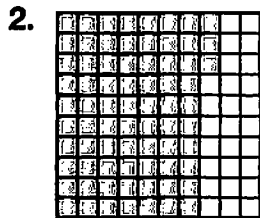
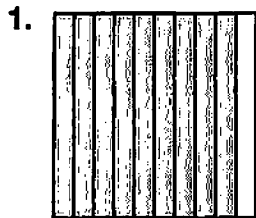
Write each fraction as a decimal.

13. $\frac{42}{100} =$ _____ 14. $\frac{371}{1,000} =$ _____ 15. $1\frac{3}{10} =$ _____

16. $\frac{36}{1,000} =$ _____ 17. $\frac{5}{100} =$ _____ 18. $6\frac{1}{1,000} =$ _____

SKILL 2: Practice

Write a decimal and fraction for each number shown.



_____ = _____ _____ = _____ _____ = _____

Write each decimal as an equivalent decimal to the place value given.

4. $0.9 =$ _____ [thousandths]

5. $2.20 =$ _____ [tenths]

6. $1.25 =$ _____ [thousandths]

7. $9.8 =$ _____ [ten-thousandths]

8. $3.890 =$ _____ [hundredths]

9. $0.02 =$ _____ [thousandths]

10. $5.7 =$ _____ [hundredths]

11. $0.300 =$ _____ [tenths]

Write each decimal as a fraction or as a whole number and fraction.

12. $0.1 =$ _____ 13. $1.5 =$ _____ 14. $0.42 =$ _____ 15. $0.2583 =$ _____

Write each fraction as a decimal.

16. $\frac{374}{1,000} =$ _____ 17. $81\frac{7}{10} =$ _____ 18. $1\frac{19}{100} =$ _____ 19. $\frac{3}{100} =$ _____

There are 100 cents in a dollar, so writing dollars and cents is like writing a decimal in hundredths.

20. Write twelve dollars and fifty cents as a decimal. _____

21. Write four dollars as a decimal. _____

22. Write seventy-five cents as a decimal. _____



23. Which is 1.4 written as a decimal in thousandths?

A 1.400

C 1.40

B 1.040

D 1.004

Skill 2

24. Which is the decimal for thirty-two hundredths?

F 3200

H 32

G 0.032

J 0.32

Skill 1