UNIT 5

STUDENT BOOK 4 LESSON

Relating Fractions to Decimals

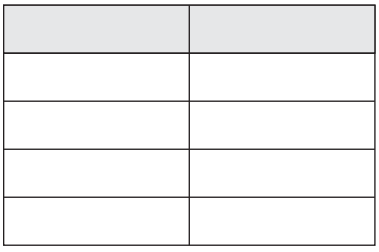
Quick Review

At Home At School

➤ You can write fractions with denominators of 10 and 100 as decimals.

$\frac{6}{10}$ is 6 tenths or 0.6. $\frac{9}{100}$ is 9 hundredths or 0.09.

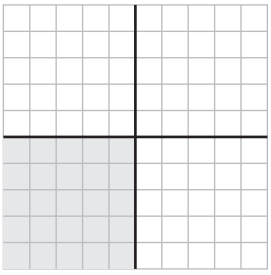
➤ If a fraction does not have a denominator of 10 or 100, try to find an equivalent fraction that does.



$\frac{1}{5}$ is equivalent to $\frac{2}{10}$.

$\frac{2}{10}$ is 2 tenths, or 0.2.

$\frac{1}{5}$ and 0.2 are equivalent.



$\frac{1}{4}$ is equivalent to $\frac{25}{100}$.

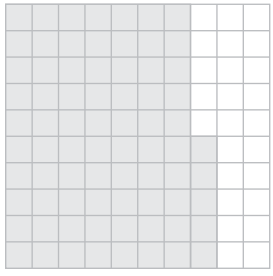
$\frac{25}{100}$ is 25 hundredths or 0.25.

$\frac{1}{4}$ and 0.25 are equivalent.

Try These

1. Write a fraction and a decimal to describe the shaded part of each grid.

a)



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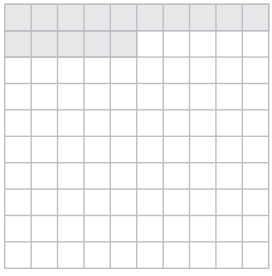
b)



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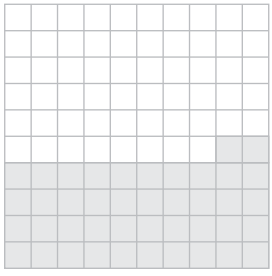
c)



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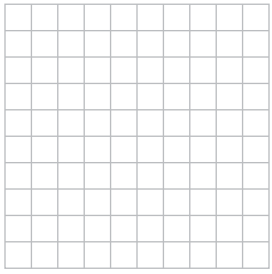
Practice

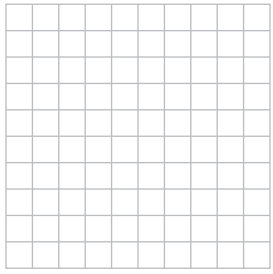
1. Colour each grid to show the fraction.
Then, write the fraction as a decimal.

a)



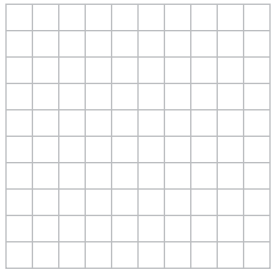
$\frac{3}{4}$ _____

b)



$\frac{8}{100}$ _____

c)



$\frac{3}{5}$ _____

2. Use >, <, or = to make each statement true.

a) $\frac{1}{4}$ _____ $\frac{25}{100}$ **b)** 0.07 _____ $\frac{2}{100}$ **c)** 0.2 _____ $\frac{20}{100}$

d) $\frac{2}{5}$ _____ $\frac{30}{100}$ **e)** $\frac{3}{4}$ _____ $\frac{95}{100}$ **f)** $\frac{1}{2}$ _____ 0.5

3. Write an equivalent fraction for each decimal.

a) 0.25 _____ **b)** 0.4 _____

c) 0.6 _____ **d)** 0.75 _____

4. Write each fraction as a decimal.

a) $\frac{1}{2}$ _____ **b)** $\frac{16}{20}$ _____ **c)** $\frac{3}{5}$ _____

d) $\frac{36}{100}$ _____ **e)** $\frac{3}{4}$ _____ **f)** $\frac{4}{5}$ _____

Stretch Your Thinking

Write a decimal that is close in value to each of these fractions:

$\frac{1}{3}$ _____ $\frac{2}{3}$ _____

$\frac{1}{8}$ _____ $\frac{5}{8}$ _____