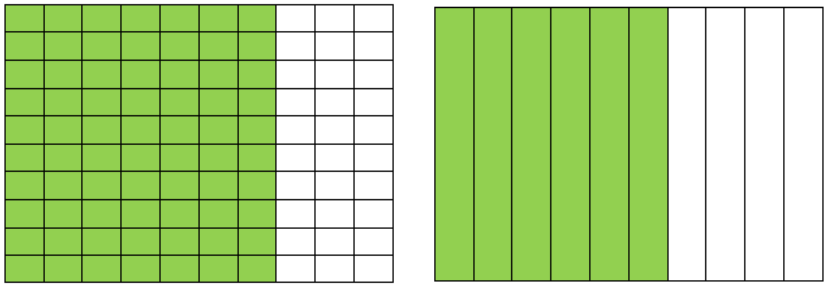
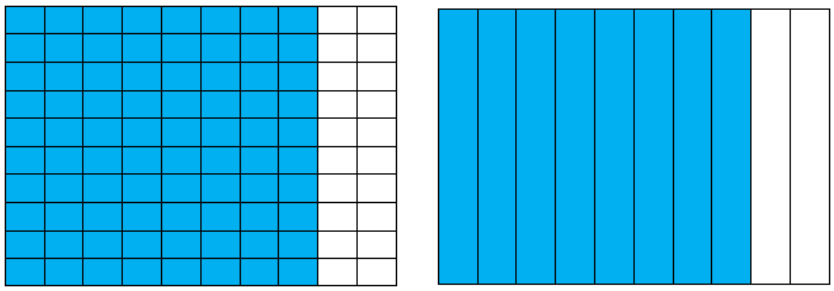
tutorified

Equivalent Decimals Using a Model

1. Write the decimal shown by each model. Are they *equivalent* or *not equivalent*?

a. 

b. 

Solution:
a.

b.

2. Use an appropriate (tenths, hundredths, or thousandth) model for each pair of decimals. Are the decimals *equivalent* or *not equivalent*?
   a. 0.81 and 0.8
   b. 0.60 and 0.6
   c. 0.035 and 0.35

Solution:
a.
b.
c.

3. Write an equivalent decimal and an equivalent fraction for each of the following.

a. 0.90	d. 8.7	g. $\frac{3}{50}$
b. 0.85	e. $\frac{4}{25}$	h. $\frac{15}{1000}$
c. 3.625	f. 3.55	i. $\frac{7}{4}$

Solution:

a.	d.	g.
b.	e.	h.
c.	f.	i.

4. Which pair of decimals are equivalent?
   A. 46.105 and 46.15
   B. 4.300 and 4.3
   C. 5.604 and 5.6
   D. 7.050 and 7.005

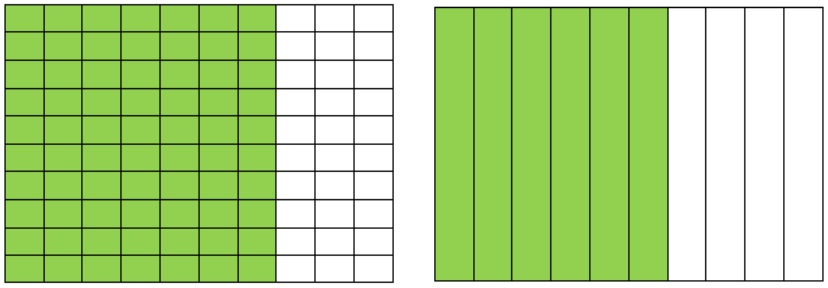
Solution:

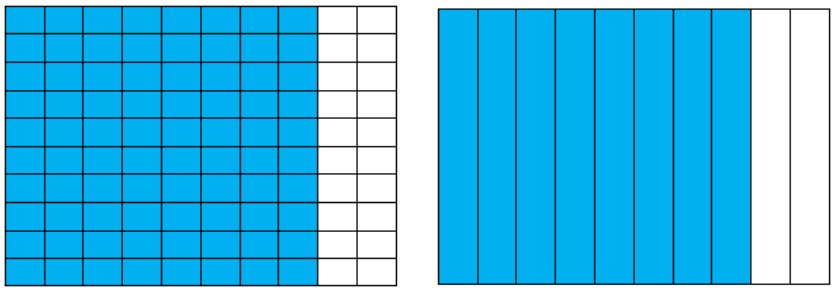
tutorified

Equivalent Decimals Using a Model

Answer Key

1. Write the decimal shown by each model. Are they *equivalent* or *not equivalent*?

a. 

b. 

Solution:
a. 0.70 and 0.6;
Not equivalent
b. 0.80 and 0.8;
Equivalent

2. Use an appropriate (tenths, hundredths, or thousandth) model for each pair of decimals. Are the decimals *equivalent* or *not equivalent*?
   a. 0.81 and 0.8
   b. 0.60 and 0.6
   c. 0.035 and 0.35

Solution:
a. Not equivalent
b. Equivalent
c. Not equivalent

3. Write an equivalent decimal and an equivalent fraction for each of the following.

a. 0.90	d. 8.7	g. $\frac{3}{50}$
b. 0.85	e. $\frac{4}{25}$	h. $\frac{15}{1000}$
c. 3.625	f. 3.55	i. $\frac{7}{4}$

Solution:

a. 0.900; $\frac{9}{10}$	d. 8.70; $8\frac{7}{10}$	g. 0.06; $\frac{6}{100}$
b. 0.850; $\frac{17}{20}$	e. 0.16; $\frac{8}{50}$	h. 0.015; $\frac{3}{200}$
c. 3.6250; $3\frac{5}{8}$	f. 3.550; $3\frac{11}{20}$	i. 1.75; $1\frac{3}{4}$

4. Which pair of decimals are equivalent?

A. 46.105 and 46.15	C. 5.604 and 5.6
B. 4.300 and 4.3	D. 7.050 and 7.005

Solution: B