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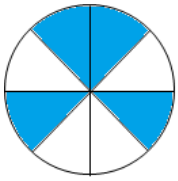
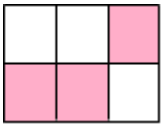
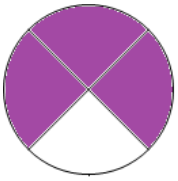
Fractions Using Visual Models

1. Write a fraction for each of the following. Draw a picture and shade the part to show the fraction.
   a. One out of three
   b. Three out of eight
   c. Five out of six
   d. Two out of eight

Solution:
a. b. c. d.

2. Write a fraction for the shaded and unshaded parts.
   a. 
   b. 
   c. 

Solution:
a. _____
b. _____
c. _____

3. Kim sleeps for 8 hours in a day. What fraction of the day does Kim sleep?

Solution:

4. Write the missing fractions in the pattern below.

$\frac{1}{9}$ $\frac{2}{9}$ $\frac{*}{*}$ $\frac{*}{*}$ $\frac{5}{9}$ $\frac{*}{*}$ $\frac{7}{9}$

Solution:

5. Mary bought 5 chocolate bars. She gave two chocolate bars to her friend and ate one chocolate bar. What fraction of chocolate bars she have left?

Solution:

6. Model the following fractions in two different ways.
   a. $\frac{2}{3}$ b. $\frac{4}{6}$ c. $\frac{3}{5}$ d. $\frac{5}{8}$

Solution:
a. b. c. d.

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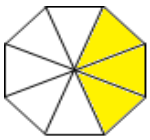
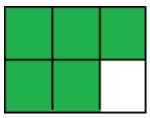
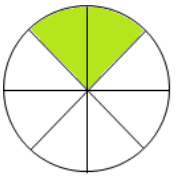
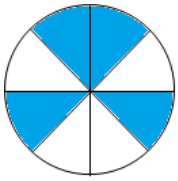
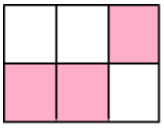
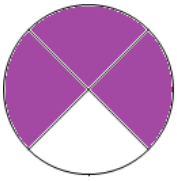
Fractions Using Visual Models

Answer Key

1. Write a fraction for each of the following. Draw a picture and shade the part to show the fraction.
   a. One out of three
   b. Three out of eight
   c. Five out of six
   d. Two out of eight

a.  b.  c.  d. 

2. Write a fraction for the shaded and unshaded parts.

a.  b.  c. 

Shaded; Unshaded

a. $\frac{4}{8}$; $\frac{4}{8}$

b. $\frac{3}{6}$; $\frac{3}{6}$

c. $\frac{3}{4}$; $\frac{1}{4}$

3. Kim sleeps for 8 hours in a day. What fraction of the day does Kim sleep?

$\frac{8}{24}$

4. Write the missing fractions in the pattern below.

$\frac{1}{9}$ $\frac{2}{9}$ $\frac{*}{*}$ $\frac{*}{*}$ $\frac{5}{9}$ $\frac{*}{*}$ $\frac{7}{9}$

$\frac{1}{9}$ $\frac{2}{9}$ $\frac{3}{9}$ $\frac{4}{9}$ $\frac{5}{9}$ $\frac{6}{9}$ $\frac{7}{9}$

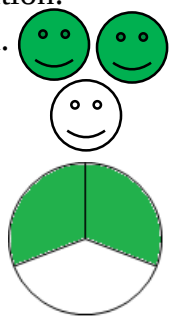
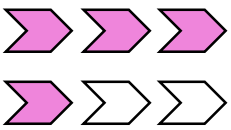
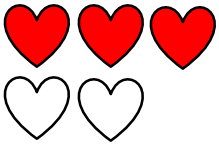
5. Mary bought 5 chocolate bars. She gave two chocolate bars to her friend and ate one chocolate bar. What fraction of chocolate bars she have left?

$\frac{2}{5}$

6. Model the following fractions in two different ways.

a. $\frac{2}{3}$ b. $\frac{4}{6}$ c. $\frac{3}{5}$ d. $\frac{5}{8}$

Solution:

a.  b.  c.  d.