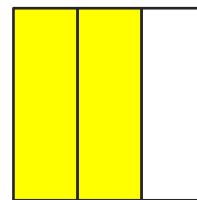
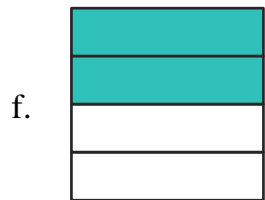
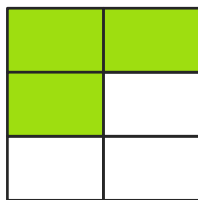
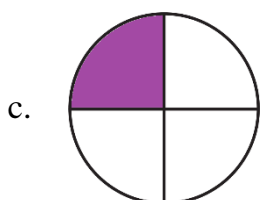
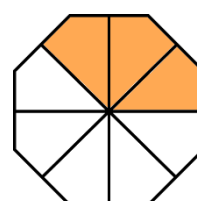
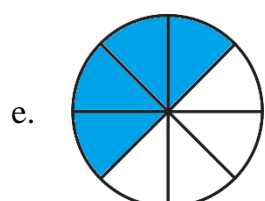
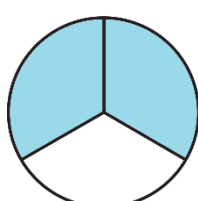
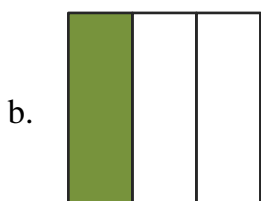
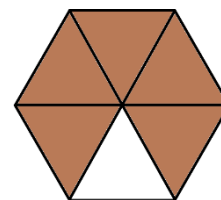
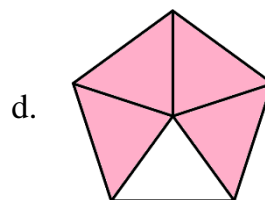
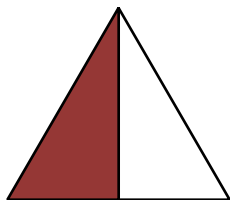
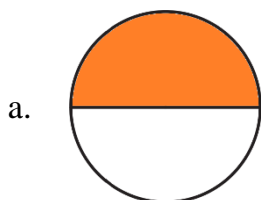


5.NF.A.2 Models of Unlike Fractions

5.NF.A.2: Solve word problems involving addition and subtraction of fractions.

1. Write a fraction for the shaded parts of each shape. Determine whether the pair of shapes are like or unlike.



Answers:

a.

d.

b.

e.

c.

f.

2. Add the unlike fractions.

a. $\frac{1}{3} + \frac{1}{4}$

b. $\frac{1}{5} + \frac{1}{6}$

c. $\frac{2}{5} + \frac{3}{10}$

d. $\frac{1}{8} + \frac{5}{16}$

Answers:

a.

b.

c.

d.

3. Olive and Alex bought a bag of chips together to share. Olive ate $\frac{1}{4}$ of the bag of chips while Alex ate $\frac{1}{5}$ of the bag of chips. What fraction of the chips did they eat altogether? What fraction of the bag of chips is left?

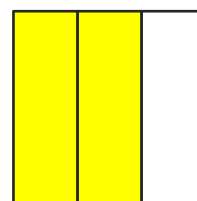
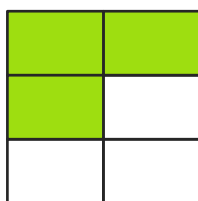
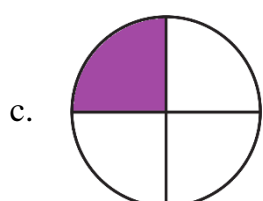
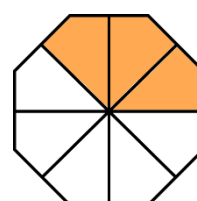
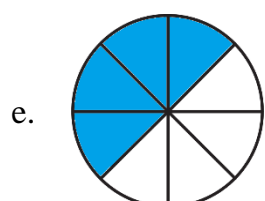
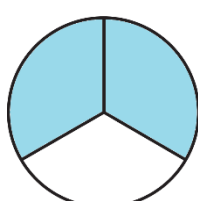
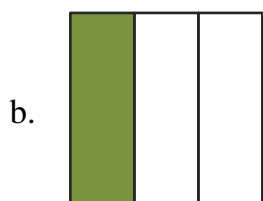
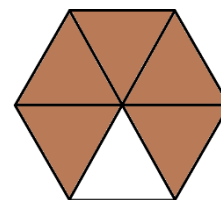
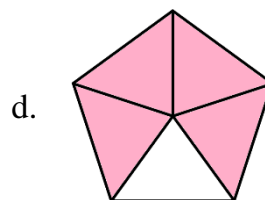
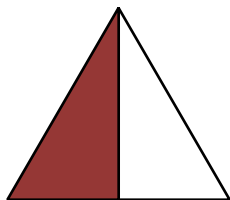
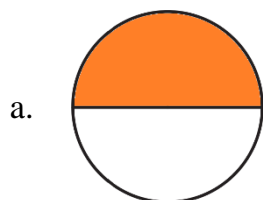
Answer:

5.NF.A.2 Models of Unlike Fractions

Answer Key

5.NF.A.2: Solve word problems involving addition and subtraction of fractions.

1. Write a fraction for the shaded parts of each shape. Determine whether the pair of shapes are like or unlike.



Answers:

a. $\frac{1}{2}, \frac{1}{2}$; like

d. $\frac{4}{5}, \frac{5}{6}$; unlike

b. $\frac{1}{3}, \frac{2}{3}$; like

e. $\frac{4}{8}, \frac{3}{8}$; like

c. $\frac{1}{4}, \frac{3}{6}$; unlike

f. $\frac{2}{4}, \frac{2}{3}$; unlike

2. Add the unlike fractions.

a. $\frac{1}{3} + \frac{1}{4}$

b. $\frac{1}{5} + \frac{1}{6}$

c. $\frac{2}{5} + \frac{3}{10}$

d. $\frac{1}{8} + \frac{5}{16}$

Answers:

a. $\frac{7}{12}$

b. $\frac{11}{30}$

c. $\frac{7}{10}$

d. $\frac{7}{16}$

3. Olive and Alex bought a bag of chips together to share. Olive ate $\frac{1}{4}$ of the bag of chips while Alex ate $\frac{1}{5}$ of the bag of chips. What fraction of the chips did they eat altogether? What fraction of the bag of chips is left?

Answer:

$\frac{9}{20}$