Lesson 8: Dividing Fractions and Mixed Numbers

Classwork

Example 1: Introduction to Calculating the Quotient of a Mixed Number and a Fraction

Carli has $4\frac{1}{2}$ walls left to paint in order for all the bedrooms in her house to have the same color paint. However, she has used almost all of her paint and only has $\frac{5}{6}$ of a gallon left.

a.   How much paint can she use on each wall in order to have enough to paint the remaining walls?

b.   Calculate the quotient.

$$\frac{2}{5} \div 3\frac{4}{7}$$

Exercise

Show your work for the memory game in the boxes provided below.

A.
B.
C.
D.
E.
F.
G.
H.
I.
J.
K.
L.

Problem Set

Calculate each quotient.

1. $\dfrac{2}{5} \div 3\dfrac{1}{10}$

2. $4\dfrac{1}{3} \div \dfrac{4}{7}$

3. $3\dfrac{1}{6} \div \dfrac{9}{10}$

4. $\dfrac{5}{8} \div 2\dfrac{7}{12}$