Name: _____ **Teacher:** _____ **School:** _____

Grade 6: Lesson 6   Exploring Division of Fractions

Solve the problems. Use a visual fraction model to support your answer.

1. Shannon had ½ of a cake left from her birthday. She wanted to share it equally with her 6
 friends. What fraction of cake did each friend get?

2. ¾ ÷ 3

3. Billy has $^5/_8$ pound of jelly beans. He wants to share equally with 4 friends. What fraction of jelly
beans will each friend get?

Name: _____ **Teacher:** _____ **School:** _____

Grade 6: Lesson 7   When the Divisor is a Fraction

Use models and reasoning to solve the problems. Show all work:

1.) Andre is comparing the weights of his pets. His gerbil weighs $\frac{1}{4}$ lb. His kitten weighs $\frac{7}{8}$ lb. How many times the gerbil's weight is the kitten's weight?

2.) An ant walks along a stick. The stick is $1\frac{1}{2}$ ft long. The ant travels $\frac{3}{10}$ ft every second. How long does it take the ant to walk the whole length of the stick?

3.) Show $2\frac{1}{2}$ divided by $\frac{5}{8}$.

Sourced from Curriculum Associates

Name: _____ **Teacher:** _____ **School:** _____

Grade 6, Lesson 8   Compute Quotients of Fractions

Solve each problem by using a common denominator to divide the fractions. Show your work.

1.) $\frac{3}{8} \div \frac{1}{4}$

2.) $2\frac{1}{5} \div \frac{1}{15}$

3.) $2\frac{3}{4} \div 1\frac{3}{8}$

Sourced from Curriculum Associates

Name: _____ **Teacher:** _____ **School:** _____

Grade 6: Lesson 9 Using Multiplication to Divide a Fraction

Solve the problems below. Show your work. You may use a calculator to check your answers.

1. During a community service day, 6 teams of students clean a beach by picking up trash. The beach is 1 4/5 mi long. Each team cleans the same length of beach. What is the length of beach that each teams cleans?

2. A rectangular city park is 6/8 mile long. The park has an area of ¼ mi². What is the width of the park?

3. ¾ ÷ 5/7

4. 5/6 ÷ 5/12

Sourced from Curriculum Associates

Name: _____ **Teacher:** _____ **School:** _____

Grade 6: Lesson 10   Dividing Fractions

Solve the following problems by using the method of your choice (visual models, common denominator, or using multiplication to divide). Show your work.

1.) Hiroaki buys 3 1/2 gal of paint. He uses 1 1/2 gal of paint. What fraction of the paint that Hiroaki buys does he use?

2.) Check the appropriate circle for each of the following division of fraction problems.

	Less Than 1	Greater Than 1	Equal to 1
a. $\frac{2}{9} \div \frac{1}{27}$	◯	◯	◯
b. $\frac{1}{2} \div \frac{3}{4}$	◯	◯	◯
c. $\frac{4}{3} \div \frac{3}{5}$	◯	◯	◯
d. $\frac{20}{8} \div 2\frac{1}{2}$	◯	◯	◯

3.) Write a word problem that you can use the division expression $\frac{3}{4} \div \frac{3}{8}$ to solve. Then solve the problem.