**09/12–09/16 6B and 6D Weekly Lesson Plan Jessica Li**

**Monday (09/12)**

**Standard**

6.NS. A. 1: Interpret and compute quotients of fractions, and solve word problems involving division of fractions by fractions, e.g., by using visual fraction models and equations to represent the problem.

**Objectives**

SWBAT

multiply fractions by fractions, fractions by mixed number, and mixed number by mixed number.

**Procedure**

**Bell work**: GCF and LCM ( 5 mins)

Warm up: Have students answer “ start thinking” questions and review the answers as a class(5 mins)

**Key idea**: summarize the rules for multiplying fractions ( 5 mins)

Example one: How to multiply fractions by fractions ( 5 mins)

Example two: how to multiple fractions with common factors ( 7mins)

Example three: real life application (13 mins)

**Assessment** ( 5 mins)

As a class, do extra example 3

**Homework**
Exercise 2.1: 1-2; 12-18 even; 20-23, 55

**Tuesday (09/13)**

**standard**

6.NS. A. 1: Interpret and compute quotients of fractions, and solve word problems involving division of fractions by fractions, e.g., by using visual fraction models and equations to represent the problem.

**Objectives**

SWBAT divide fractions by fractions using visual models and standard algorithm.

**Procedure:**

Bell work: Fraction Multiplication and go over homework ( 5 mins)

Warm up: Use paper strips to find out how many 2/3 in 3. ( 5 mins)

Key idea: Generalize “invert and multiply “rule to solve division problem (5 mins)

Example one: write the reciprocal of fractions( 5 mins)

Example two: Divide fractions by fraction ( 5 mins)

Example three: Divide whole number by a fraction ( 5 mins)

**Assessment** ( 10 mins)

Students work independently on extra examples 1-3 and share their learning about reciprocal, dividing fraction by fraction, dividing whole number with fraction

**Homework**

Exercise 2.2: 1-10, 23-27, 31-35 and 52

**Wednesday (09/14)**

**Standard**

6.NS. A. 1: Interpret and compute quotients of fractions, and solve word problems involving division of fractions by fractions, e.g., by using visual fraction models and equations to represent the problem.

**Objective**

SWBAT divide mixed number with mixed number using formal rules

**Procedure**

Bell work: dividing fractions by fraction and go over two homework (5 mins)

Warm up: Have students answer “ start thinking “ question and review the answers as a class ( 5 mins)

Key ideas: write down the key ideas to divide a mixed number with a mixed number and show a example (5 mins)

Example one ( 10 mins) demonstrate how to divide a mixed number by a fraction and students will work in pairs to answer “on you own” questions 1 and two

Example two (5 mins) demonstrate how to divide mixed numbers and students will work in pares to answer question 3 and 4

Example three ( 5 mins) use order of operation

**Assessment (**10 mins)

Share the similarity of multiplying and dividing mixed number in the class. and work on extra examples

**Homework**

Exercise 2.3: 1-4, 13-23 odd and 26-38 even.

**Thursday (09/15)**

**Standard**

6.NS. A. 1: Interpret and compute quotients of fractions, and solve word problems involving division of fractions by fractions, e.g., by using visual fraction models and equations to represent the problem.

**Objective:** using quotients of fractions to solve word problems

**Project III:** Bakery Store

 Students will work in group of 3 or four to solve a real life problem: how many materials will you need to make enough pies and cookies? how many packs of flour or chocolate chips will you need to make enough cookies or pies? What is your total budget for the order? In order to complete the project, students will write down the numerical sentences and evaluate them.

**Homework**

Additional fraction division worksheet

**Friday (09/16)**

**Standard**

6.NS. A. 1: Interpret and compute quotients of fractions, and solve word problems involving division of fractions by fractions, e.g., by using visual fraction models and equations to represent the problem.

**Objective:**

SWBAT multiply and divide fractions with fractions and mixed number

**Procedure**

Bell work: dividing mixed number with mixed numbers

Key concepts: ( 15 minutes) review vocabulary: reciprocals

 Review steps of how to multiply fractions, and mixed numbers

 Review steps of how to divide fraction with fraction

 Review how to divide mixed number with mixed number

**Assessment:**

Quiz ( 2.1-2.3) 30 mins

**No homework**