Objectives:

- Students will memorize the multiplication table, as evidenced by them passing "minute quizzes."
- Students will add fraction with differing denominators, where the least common denominator is one of the denominators, as evidenced by them completing a warm-up worksheet where they do so.
- Students will use fraction circles add fraction with differing denominators, where the least common denominator is one of the denominators, as evidenced by them completing a homework assignment where they do so.

Student Materials on Desk Corner:

- Homework #2-24
- Homework Checker
- Readiness Checker

Student Materials for Class:

- Homework Log
- Binder Paper
- Pencils

Teacher Materials:

- "Warm-up 2-25" for each student
- "Minute Quiz 2-25" for each student
- "Homework #2-24" answer key and grading roster for TA
- "Homework #2-25" handout for each student

Homework:

- Finish Homework #2-25
- ALEKS

Time	Activity
10 min	**MINUTE QUIZ, WARM-UP, HOMEWORK COLLECTION, AND ATTENDANCE** **Minute Quiz and Warm-up** When the bell rings, quickly go around and put the **minute quiz** on each student's desk, facedown. Then, start everyone on the quiz at the same time and give everyone one minute. While students are working on the quiz, pass out the **warm-ups** so that students can work on them once they're done with the minute quiz. Also, stamp the **readiness checkers** of students who were ready when the bell rang and had their readiness checkers out. **Homework Collection and Attendance** Instruct the TA go around and collect **homework** and stamp **homework checkers**. Give the TA the answer key and have him or her grade the homework that was collected. During this time, take **attendance**. **Warm-up & Notes Checker** Once all the homework is collected, go around and stamp the students' "Warm-up and Notes Checkers."
20 min	**LESSON: MORE ADDING DIFFERING DENOMINATORS** **Notes** Follow the handwritten Cornell Notes. Once students are finished, go around and stamp the students' "Warm-up and Notes Checkers."
20 min	**CLASSWORK** Pass out the **homework/classwork** handout and have students write down the assignment on their homework logs. Have the TA pass out **fraction circles** and write own which student has which set of fraction circles. Students should use the fraction circles to complete Homework #2-25, which will serve as the classwork.
30 min	**ALEKS** When students finish their classwork, they should continue with **ALEKS**. Use this student work time to **return graded homework**.

Numeracy
Minute Quiz 2-25 A

Name:
Date: Period:

Solve the following multiplication problems. You have exactly one minute!

4 • 3 =	3 • 2 =	11 • 7 =
1 • 6 =	12 • 2 =	11 • 8 =
9 • 2 =	10 • 7 =	9 • 10 =
8 • 2 =	10 • 11 =	5 • 3 =

Numeracy
Minute Quiz 2-25 A

Name:
Date: Period:

Solve the following multiplication problems. You have exactly one minute!

4 • 3 =	3 • 2 =	11 • 7 =
1 • 6 =	12 • 2 =	11 • 8 =
9 • 2 =	10 • 7 =	9 • 10 =
8 • 2 =	10 • 11 =	5 • 3 =

Numeracy
Minute Quiz 2-25 A

Name:
Date: Period:

Solve the following multiplication problems. You have exactly one minute!

4 • 3 =	3 • 2 =	11 • 7 =
1 • 6 =	12 • 2 =	11 • 8 =
9 • 2 =	10 • 7 =	9 • 10 =
8 • 2 =	10 • 11 =	5 • 3 =

Numeracy
Minute Quiz 2-25 B

Name:
Date: Period:

Solve the following multiplication problems. You have exactly one minute!

8 • 1 =	4 • 3 =	12 • 12 =
12 • 12 =	2 • 10 =	4 • 1 =
4 • 4 =	9 • 3 =	3 • 6 =
2 • 3 =	8 • 9 =	6 • 5 =

Numeracy
Minute Quiz 2-25 B

Name:
Date: Period:

Solve the following multiplication problems. You have exactly one minute!

8 • 1 =	4 • 3 =	12 • 12 =
12 • 12 =	2 • 10 =	4 • 1 =
4 • 4 =	9 • 3 =	3 • 6 =
2 • 3 =	8 • 9 =	6 • 5 =

Numeracy
Minute Quiz 2-25 B

Name:
Date: Period:

Solve the following multiplication problems. You have exactly one minute!

8 • 1 =	4 • 3 =	12 • 12 =
12 • 12 =	2 • 10 =	4 • 1 =
4 • 4 =	9 • 3 =	3 • 6 =
2 • 3 =	8 • 9 =	6 • 5 =

Numeracy
Minute Quiz 2-25 C

Name:
Date: Period:

Solve the following multiplication problems. You have exactly one minute!

10 • 7 =	8 • 7 =	9 • 9 =
3 • 1 =	5 • 5 =	3 • 11 =
2 • 3 =	10 • 7 =	4 • 8 =
1 • 5 =	12 • 11 =	10 • 9 =

Numeracy
Minute Quiz 2-25 C

Name:
Date: Period:

Solve the following multiplication problems. You have exactly one minute!

10 • 7 =	8 • 7 =	9 • 9 =
3 • 1 =	5 • 5 =	3 • 11 =
2 • 3 =	10 • 7 =	4 • 8 =
1 • 5 =	12 • 11 =	10 • 9 =

Numeracy
Minute Quiz 2-25 C

Name:
Date: Period:

Solve the following multiplication problems. You have exactly one minute!

10 • 7 =	8 • 7 =	9 • 9 =
3 • 1 =	5 • 5 =	3 • 11 =
2 • 3 =	10 • 7 =	4 • 8 =
1 • 5 =	12 • 11 =	10 • 9 =

Numeracy Name:
Warm-up 2-25 Date: Period:

Add the following fractions. Make same size pieces by multiplying the top and bottom of one of the fractions so that they have common denominators.

Ex) $\frac{1}{2}+\frac{1}{4}$

Multiply top & bottom by 2

$\frac{1\cdot 2}{2\cdot 2}+\frac{1}{4}=\frac{2}{4}+\frac{1}{4}=\frac{3}{4}$

1) $\frac{1}{2}+\frac{1}{6}$

2) $\frac{1}{4}+\frac{3}{8}$

3) $\frac{7}{10}+\frac{1}{5}$

4) $\frac{1}{12}+\frac{3}{4}$

5) $\frac{1}{3}+\frac{1}{6}$

Numeracy Name:
Warm-up 2-25 Date: Period:

Add the following fractions. Make same size pieces by multiplying the top and bottom of one of the fractions so that they have common denominators.

Ex) $\frac{1}{2}+\frac{1}{4}$

Multiply top & bottom by 2

$\frac{1\cdot 2}{2\cdot 2}+\frac{1}{4}=\frac{2}{4}+\frac{1}{4}=\frac{3}{4}$

1) $\frac{1}{2}+\frac{1}{6}$

2) $\frac{1}{4}+\frac{3}{8}$

3) $\frac{7}{10}+\frac{1}{5}$

4) $\frac{1}{12}+\frac{3}{4}$

5) $\frac{1}{3}+\frac{1}{6}$

Numeracy
Lesson 2-25

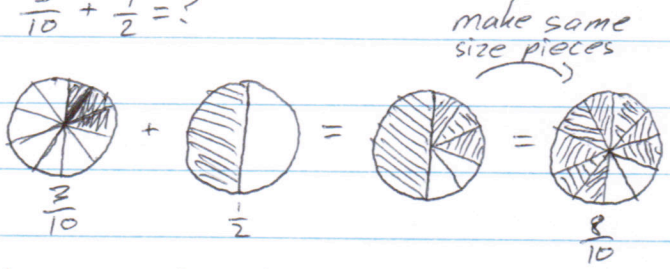
Tom Wong
12/15/08

More Adding Differing Denominators

Section → Introduction

Last time, we made same size pieces by replacing one size fraction circle with another.

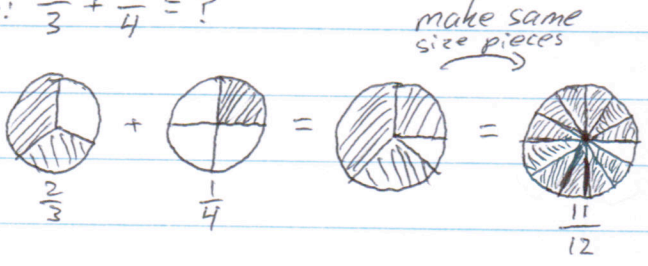
Ex: $\frac{3}{10} + \frac{1}{2} = ?$



Today, we will make same size pieces by replacing both size fraction circles with another.

Section → Examples

Ex: $\frac{2}{3} + \frac{1}{4} = ?$



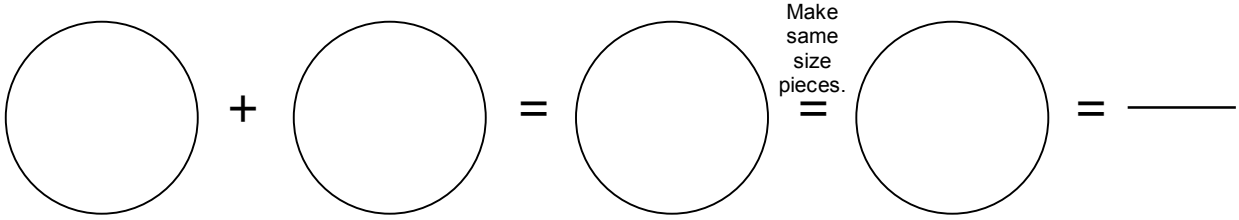
Ex: $\frac{1}{2} + \frac{2}{5} = ?$ (Answer: $\frac{9}{10}$)

Ex: $\frac{3}{4} + \frac{1}{6} = ?$ (Answer: $\frac{11}{12}$)

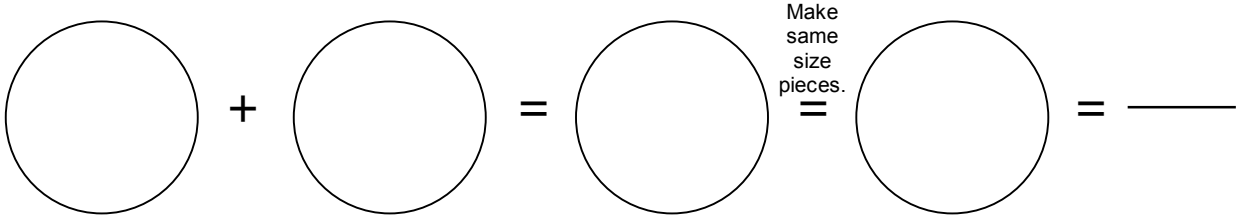
Numeracy Name:
Homework #2-25 – More Adding Differing Denoms Date: Period:

Evaluate each addition problem using fraction circles. Draw the fraction circles in the spaces provided, and be simplify your answers.

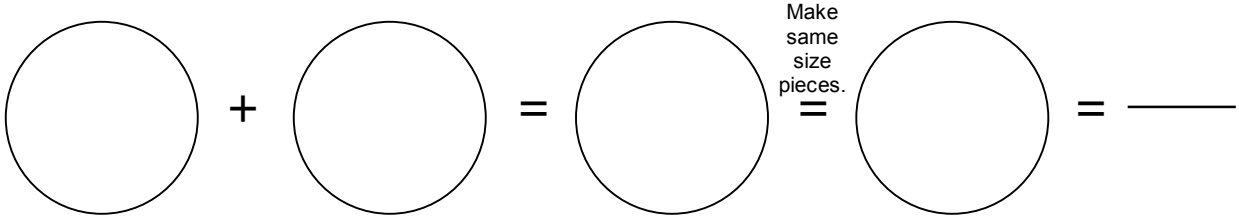
1) $\frac{1}{4}+\frac{1}{3}$



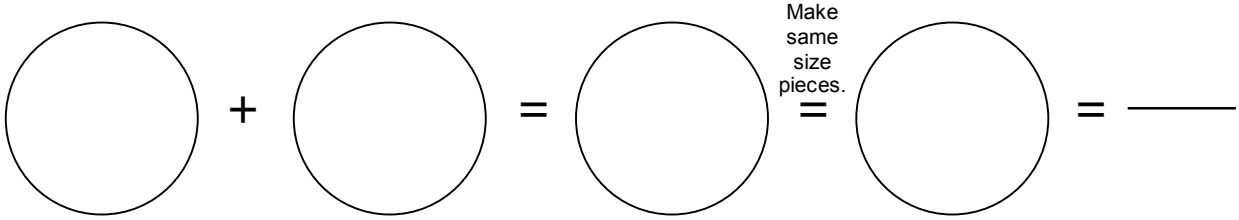
2) $\frac{1}{2}+\frac{1}{5}$



3) $\frac{1}{4}+\frac{1}{6}$



4) $\frac{1}{3}+\frac{1}{2}$



5) $\frac{2}{5}+\frac{1}{2}$