Objectives:

- Students will divide positive integers from the multiplication table without remainders, as evidenced by them passing one-minute quizzes.
- Students will shift the decimal point of decimal numbers to the right, as evidenced by them completing a warm-up worksheet where they do so.
- Students will divide decimals and whole numbers by decimals, as evidenced by them completing a homework assignment where they do so.

Student Materials on Desk Corner:

- Homework #3-14
- Homework Checker
- Warm-up & Notes Checker

Teacher Materials:

- "Minute Quiz 3-15" for each student
- "Warm-up 3-15" for each student
- "Unit Calendar" transparency
- Lecture Notes for Lesson 3-15
- "Homework #3-15" handout for each student

Student Materials for Class:

- Homework Log
- Binder Paper
- Pencils

Homework:

- Homework #3-15
- 1 hour of ALEKS due Friday (end of the grading period)

Time	Activity		
10 min	n MINUTE QUIZ AND ATTENDANCE		
	Minute Quiz and Warm-up When the bell rings, quickly go around and put the minute quiz on each student's desk, face down. 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. After the minute is over, have a student collect the minute quizzes and give them to the teacher's aide (TA) to grade.		
	Attendance, Collect HW, and Warm-up Check While students work on the warm-up, take attendance and have the TA collect homework & stamp homework checkers. At the end of the allotted time, go around and stamp the students' warm-up & notes checkers.		
25 min	LESSON		
	Introduction Put up the unit calendar transparency and show students where they are in the unit. Remind students that we've been talking about the four operations: addition, subtraction, multiplication, and division. Last week, we learned how to add, subtract, and multiply decimals. Today, we will learn how to divide decimals.		
	Notes Teach the lesson using the notes. Afterwards, stamp students' warm-up & notes checkers.		
35 min	CLASSWORK & ALEKS		
	Give students the homework assignment as their classwork . They must do problems 1, 3, 5 before they may work on ALEKS . Remind students that when returning the laptops, they must first get them checked by you or the TA. Use this student work time to return graded homework .		
5 min	CLEAN UP		
	Students check the laptops with the teacher or the TA before putting them away. Then, they pack up, sit in their seats, and wait to be dismissed.		

Numeracy 2008-2009 Page 1 of 1

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

Numeracy Minute Quiz 3-15 A

Date:

Period:

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

$$24 \div 2 =$$

$$9 \div 1 =$$

Numeracy Minute Quiz 3-15 A Name:

Date:

Period:

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

$$24 \div 2 =$$

$$24 \div 2 =$$

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

$$60 \div 6 =$$

$$30 \div 3 =$$

Numeracy

Minute Quiz 3-15 B

Date: Period:

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

$$60 \div 6 =$$

$$14 \div 2 =$$

$$4 \div 2 =$$

$$21 \div 3 =$$

$$30 \div 3 =$$

Numeracy

Name:

Minute Quiz 3-15 B

Date:

Period:

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

$$60 \div 6 =$$

$$14 \div 2 =$$

$$4 \div 2 =$$

$$21 \div 3 =$$

$$4 \div 4 =$$

$$30 \div 3 =$$

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

Numeracy Minute Quiz 3-15 C

Date:

Period:

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

$$48 \div 4 =$$

$$21 \div 3 =$$

$$25 \div 5 =$$

Numeracy Minute Quiz 3-15 C Name:

Date:

Period:

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

$$21 \div 3 =$$

$$64 \div 8 =$$

$$2 \div 1 =$$

$$25 \div 5 =$$

For each problem, shift (move) the decimal point to the right.

Number	Shift Right By	Answer
1.234	2	123.4
82.392	1	
0.023	3	
3.14159	5	
793.8	2	
9.0	1	
2.718	4	
25.8	3	
68.359	1	
9.3	2	

Number	Shift Right By	Answer
56.78	3	56780.
8.203	2	
7.246	4	
0.102	1	
1.001	3	
9	1	
6.57	2	
0.0034	3	
4.2	4	
0.3	2	

Numeracy Warm-up 3-15 Name: Date:

Period:

For each problem, shift (move) the decimal point to the right.

Number	Shift Right By	Answer
1.234	2	123.4
82.392	1	
0.023	3	
3.14159	5	
793.8	2	
9.0	1	
2.718	4	
25.8	3	
68.359	1	
9.3	2	

Number	Shift Right By	Answer
56.78	3	56780.
8.203	2	
7.246	4	
0.102	1	
1.001	3	
9	1	
6.57	2	
0.0034	3	
4.2	4	
0.3	2	

Dividing by Decimals

Section - Introduction and Steps

Last time, we divided decimals by whole numbers (type !).

Today, we will divide decimals and whole numbers by decimals (type 2).

Step 1: Shift the decimal points of both numbers until we are dividing by a whole number.

Step 2: Evaluate this type I problem.

Section -> Examples

Ex:
$$5.39 \div 1.1 = ?$$
 $53.9 \div 11 = ?$
 4.9
 $11/53.9$
 $-44 \downarrow$
 99
 -99
 -36
 -36

Ex:
$$72 \div 9 = ?$$
 $720 \div 9 = ?$
 9720
 -721
 -0
 -0
 -0
 -0

For each problem, divide the decimal or whole number by the decimal.

1)
$$2.8 \div 0.4$$

$$2)32 \div 0.4$$

5)
$$1.476 \div 3.6$$

6)
$$2408 \div 8.6$$

7)
$$3.999 \div 0.093$$