

Objectives:

- Students will divide positive integers from the multiplication table without remainders, as evidenced by them passing one-minute quizzes.
- Students will add multi-digit whole numbers, as evidenced by them completing a warm-up worksheet where they do so.
- Students will add decimals using base-10 blocks, as evidenced by them completing an in-class activity where they do so.
- Students will add decimals, as evidenced by them completing a homework assignment where they do so.

Student Materials on Desk Corner:

- Homework #3-10
- Homework Checker
- Warm-up & Notes Checker

Student Materials for Class:

- Homework Log
- Binder Paper
- Pencils

Teacher Materials:

- “Minute Quiz 3-11” for each student
- “Warm-up 3-11” for each student
- “Homework #3-11” handout for each student
- Poster paper and markers for student pairs
- Index cards with decimal addition problems
- Sample poster
- Grade updates showing the effects of retaking minute quizzes

Homework:

- Homework #3-11
- Start 1 hour of ALEKS

Time	Activity
10 min	<p style="text-align: center;">MINUTE QUIZ AND ATTENDANCE</p> <p>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.</p> <p>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.</p>
5 min	<p style="text-align: center;">GRADE UPDATE</p> <p>Remind students that for the class last Friday, we spent the whole period working on ALEKS and retaking minute quizzes. Using student grade checks, give examples of the impact that retaking minute quizzes had on grades. Also, use these examples to explain how to read the grade checks. Then, hand them out to students. Stress that you, the teacher, are trying to help everyone with their grades, but they must let you help them by focusing and paying attention.</p>
10 min	<p style="text-align: center;">ACTIVITY EXPLANATION</p> <p>Explain that today’s lesson is on adding decimals, and we will investigate it using a group project with posters. Each group will get an index card with one of the following ten addition problems:</p> <p style="text-align: center;">0.103 + 1.25, 0.91 + 1.022, 0.55 + 1.023, 1.02 + 0.351, 1.203 + 0.19 1.23 + 0.115, 1.021 + 0.102, 0.53 + 1.053, 1.2 + 0.312, 0.203 + 1.23</p> <p>Students will model each number by drawing base-10 blocks. Use actual base-10 blocks to remind</p>

Lesson 3-11 – Adding Decimals

	students what each means (big cube = 1, flat = 0.1, rod = 0.01, little cube = 0.001). Go through the sample poster so that students know what they must produce as a result of the activity.
15 min	<p style="text-align: center;">PAIR POSTER ACTIVITY</p> <p>Let students know that they will only get one poster, so they must do them in pencil first, then later trace them with markers. Hand out the index cards and posters to the groups. At the end of the time, students must tape their posters to the board at the front of the room.</p> <p>When students finish, talk about the importance of adding place values together. Then, hand out the homework assignment.</p>
35 min	<p style="text-align: center;">ALEKS</p> <p>Groups of students should be sent to get laptops for 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.</p>
5 min	<p style="text-align: center;">CLEAN UP</p> <p>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.</p>

Numeracy
Minute Quiz 3-11 A

Name:
Date:

Period:

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

$30 \div 3$

$64 \div 8$

$15 \div 5$

$24 \div 4$

$20 \div 10$

$54 \div 9$

$12 \div 12$

$99 \div 9$

$50 \div 10$

$28 \div 4$

$28 \div 7$

$16 \div 4$

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$50 \div 10$

$28 \div 4$

$28 \div 7$

$16 \div 4$

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

$15 \div 5$

$30 \div 5$

$6 \div 3$

$72 \div 6$

$7 \div 1$

$6 \div 1$

$40 \div 10$

$7 \div 7$

$36 \div 9$

$33 \div 11$

$28 \div 7$

$16 \div 8$

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

$15 \div 5$

$30 \div 5$

$6 \div 3$

$72 \div 6$

$7 \div 1$

$6 \div 1$

$40 \div 10$

$7 \div 7$

$36 \div 9$

$33 \div 11$

$28 \div 7$

$16 \div 8$

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$6 \div 3$

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$7 \div 1$

$6 \div 1$

$40 \div 10$

$7 \div 7$

$36 \div 9$

$33 \div 11$

$28 \div 7$

$16 \div 8$

Numeracy
Minute Quiz 3-11 C

Name:
Date:

Period:

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

$4 \div 1$

$18 \div 9$

$132 \div 12$

$96 \div 8$

$99 \div 11$

$7 \div 1$

$5 \div 1$

$77 \div 11$

$40 \div 8$

$20 \div 2$

$60 \div 5$

$144 \div 12$

Numeracy
Minute Quiz 3-11 C

Name:
Date:

Period:

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

$4 \div 1$

$18 \div 9$

$132 \div 12$

$96 \div 8$

$99 \div 11$

$7 \div 1$

$5 \div 1$

$77 \div 11$

$40 \div 8$

$20 \div 2$

$60 \div 5$

$144 \div 12$

Numeracy
Minute Quiz 3-11 C

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Date:

Period:

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

$4 \div 1$

$18 \div 9$

$132 \div 12$

$96 \div 8$

$99 \div 11$

$7 \div 1$

$5 \div 1$

$77 \div 11$

$40 \div 8$

$20 \div 2$

$60 \div 5$

$144 \div 12$

Evaluate each addition problem.

1) $123 + 456$

2) $283 + 49$

3) $948 + 293$

4) $2 + 203$

5) $28 + 392$

6) $293 + 12$

7) $587 + 231$

8) $103 + 17$

Evaluate each addition problem.

1) $123 + 456$

2) $283 + 49$

3) $948 + 293$

4) $2 + 203$

5) $28 + 392$

6) $293 + 12$

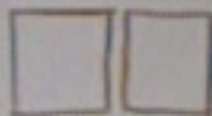
7) $587 + 231$

8) $103 + 17$

1.23



1BC

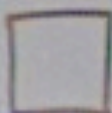


2F



3R

0.123



1F



2R

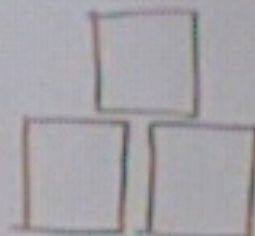


3LC

1.23
+0.123



1BC



3F



5R



3LC

1.353

Evaluate the following addition problems using the tables provided for you.

Ex) $1.23 + 27.9$

	Super Rod (SR)	Big Cube (BC)	Flat (F)	Rod (R)	Little Cube (LC)
	Tens 10's	Ones 1's	Tenths 1/10's	Hundredths 1/100's	Thousandths 1/1000's
1.23		1	2	3	
27.9	2	7	9		
1.23 + 27.9	2	8	11	3	
regroup	2	9	1	3	

So, $1.23 + 27.9 = 29.13$

1) $0.5 + 24.923$

	Super Rod (SR)	Big Cube (BC)	Flat (F)	Rod (R)	Little Cube (LC)
	Tens 10's	Ones 1's	Tenths 1/10's	Hundredths 1/100's	Thousandths 1/1000's
0.5					
24.923					
0.5 + 24.923					
regroup					

So, $0.5 + 24.923 = \underline{\hspace{2cm}}$

2) $0.09 + 2.718$

	Super Rod (SR)	Big Cube (BC)	Flat (F)	Rod (R)	Little Cube (LC)
	Tens 10's	Ones 1's	Tenths 1/10's	Hundredths 1/100's	Thousandths 1/1000's
0.09					
2.718					
0.09 + 2.718					
regroup					

So, $0.09 + 2.718 = \underline{\hspace{2cm}}$

3) $3.24 + 5$

	Super Rod (SR)	Big Cube (BC)	Flat (F)	Rod (R)	Little Cube (LC)
	Tens 10's	Ones 1's	Tenths 1/10's	Hundredths 1/100's	Thousandths 1/1000's
3.24					
5			●		
$3.24 + 5$			●		
regroup			●		
			●		

So, $3.24 + 5 =$ _____

4) $22.5 + 0.75$

	Super Rod (SR)	Big Cube (BC)	Flat (F)	Rod (R)	Little Cube (LC)
	Tens 10's	Ones 1's	Tenths 1/10's	Hundredths 1/100's	Thousandths 1/1000's
22.5					
0.75			●		
$22.5 + 0.75$			●		
regroup			●		
			●		

So, $22.5 + 0.75 =$ _____

Now that you've added decimals using tables, try adding without them! Evaluate the following addition problems. As always, show your work!

Ex) $1.23 + 27.9$

$$\begin{array}{r} 1.23 \\ +27.9 \\ \hline 29.13 \end{array}$$

5) $2.3 + 0.6$

6) $1.5 + 0.03$

7) $12.3 + 4.93$

8) $2 + 1.9$

9) $5 + 0.7$