Objectives:

- Students will divide with remainders using manipulatives, as evidenced by their completion of a class worksheet where the do so.
- Students will memorize the multiplication table, as evidenced by them passing "minute quizzes."

Student Materials on Desk Corner:

- Multiplying Integers Homework #4
- Homework Checker
- Readiness Checker

Student Materials for Later:

- Homework Log
- Binder Paper
- Pencils

Teacher Materials:

- "Minute Quiz 1-11"
- "Multiplying Integers Homework #4" answer key and grading roster for TA
- "DCP Trucking Co." mats and "Trucks"
- "DCP Trucking Co." and "Trucks" transparency
- Base 10 Manipulatives (Units & Tens)
- "Classwork 1-11" handout
- "Homework 1-11" handout

Homework:

- Homework 1-11
- Comprehensive Test Next Friday 10/3

Time	Activity
Before Bell	**DO NOW** As students enter the classroom, shake hands and give them a copy of the **warm-up**. Also, remind them that there is a minute quiz and they need to be seated quietly with a pencil when the bell rings. Write the following "Do Now" on the board: • Work on warm-up. • Take out a pencil and *quietly* wait for the minute quiz.
5 min	**MINUTE QUIZ** 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, stamp the **readiness checkers** of students who were ready when the bell rang and had their readiness checkers out. Instruct the TA go around and collect **homework** and stamp **homework checkers**. Give the TA the answer key and have them grade the homework they collected.
30 min	**DIVIDING WITH MANIPULATIVES** Let students know that the next few lessons will cover division. Using the "DCP Trucking Co." mat transparency and "Trucks" transparency, explain to students how to do the "Classwork 1-11" handout. Make sure they understand that they are *dividing* the blocks among the trucks.
1 min	**STRETCH BREAK** Before transitioning to the lecture, lead the students through some exercises to refresh them.
44 min	**ALEKS** Students should continue with **ALEKS**. Use this student work time to **return graded homework**.

Numeracy
Minute Quiz 1-11A

Name:
Date: Period:

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

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

Numeracy
Minute Quiz 1-11A

Name:
Date: Period:

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

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

Numeracy
Minute Quiz 1-11A

Name:
Date: Period:

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

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

Numeracy
Minute Quiz 1-11B

Name:
Date: Period:

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

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

Numeracy
Minute Quiz 1-11B

Name:
Date: Period:

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

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

Numeracy
Minute Quiz 1-11B

Name:
Date: Period:

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

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

Numeracy
Minute Quiz 1-11C

Name:
Date: Period:

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

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

Numeracy
Minute Quiz 1-11C

Name:
Date: Period:

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

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

Numeracy
Minute Quiz 1-11C

Name:
Date: Period:

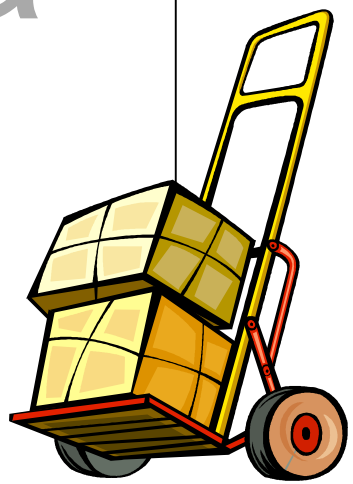
Solve the following multiplication problems. You have exactly one minute!

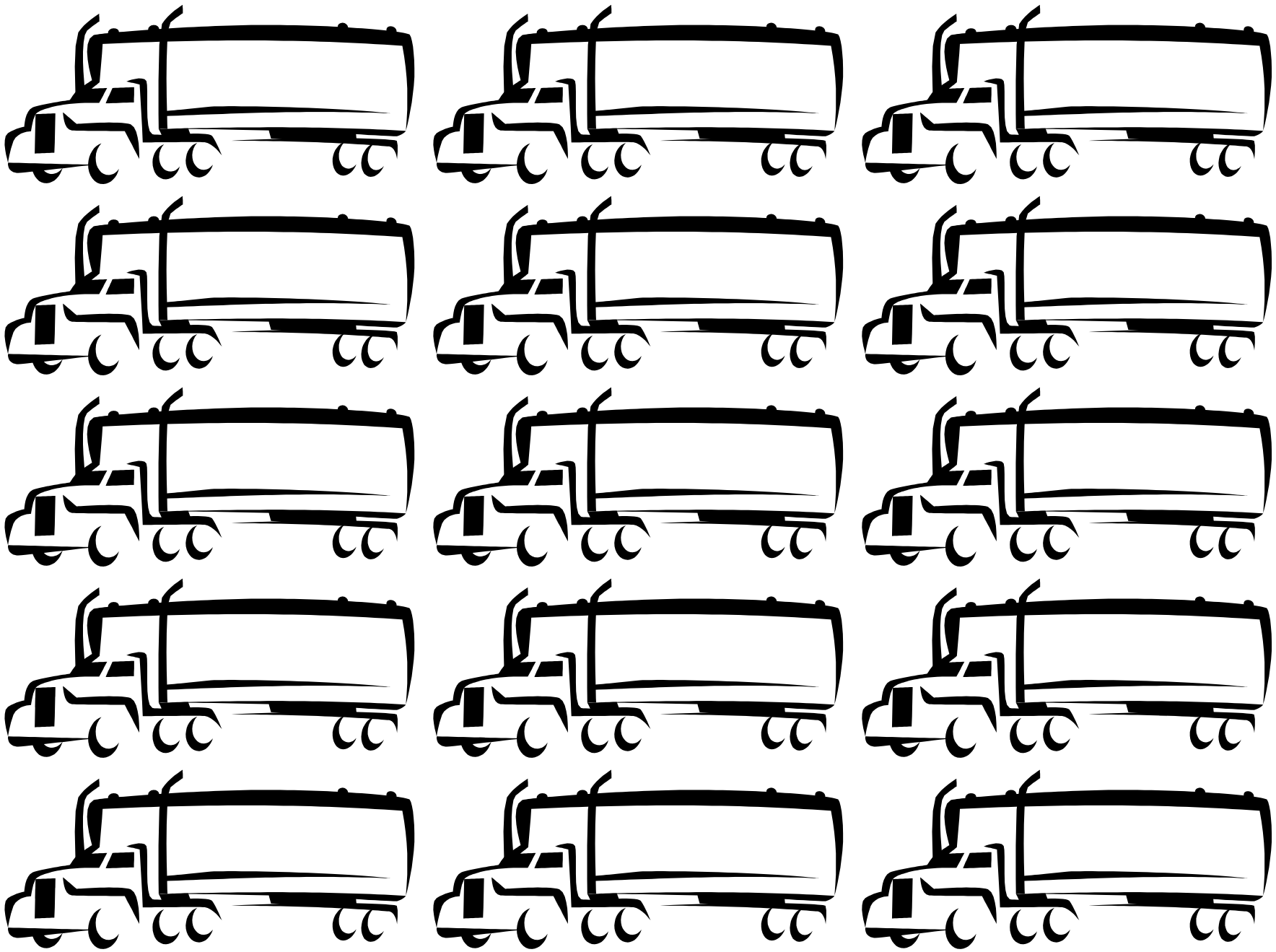
2 • 10 =	8 • 10 =	8 • 11 =
11 • 12 =	1 • 10 =	4 • 10 =
5 • 12 =	12 • 10 =	7 • 12 =
6 • 11 =	6 • 10 =	10 • 11 =

DCP Trucking Co.

Truck Area

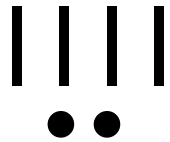
Loading Area



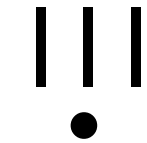


Numeracy Name:
Classwork 1-11 – Division with Manipulatives Date: Period:

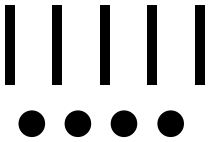
Remember, all trucks must have the same number of boxes! You may have to break up stacks into individual boxes.

Start with this many stacks and boxes in the loading area (drawing)	Divide the boxes into this many trucks	Number of stacks and boxes in each truck (drawing)	Number of boxes remaining in the loading area (drawing)
	3		

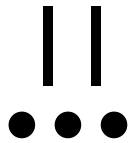
So, we started with _____ boxes, which dividies into _____ trucks so that each truck has _____ boxes and _____ boxes remain in the loading area.

	2		

So, we started with _____ boxes, which dividies into _____ trucks so that each truck has _____ boxes and _____ boxes remain in the loading area.

	5		

So, we started with _____ boxes, which dividies into _____ trucks so that each truck has _____ boxes and _____ boxes remain in the loading area.

	4		

So, we started with _____ boxes, which dividies into _____ trucks so that each truck has _____ boxes and _____ boxes remain in the loading area.

	3		

So, we started with _____ boxes, which dividies into _____ trucks so that each truck has _____ boxes and _____ boxes remain in the loading area.

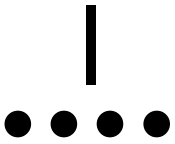
more on back

	3		

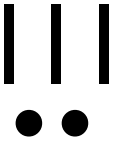
So, we started with _____ boxes, which dividies into _____ trucks so that each truck has _____ boxes and _____ boxes remain in the loading area.

	2		

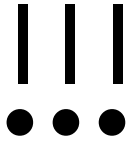
So, we started with _____ boxes, which dividies into _____ trucks so that each truck has _____ boxes and _____ boxes remain in the loading area.

	4		

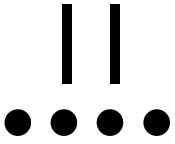
So, we started with _____ boxes, which dividies into _____ trucks so that each truck has _____ boxes and _____ boxes remain in the loading area.

	5		

So, we started with _____ boxes, which dividies into _____ trucks so that each truck has _____ boxes and _____ boxes remain in the loading area.

	3		

So, we started with _____ boxes, which dividies into _____ trucks so that each truck has _____ boxes and _____ boxes remain in the loading area.

	2		

So, we started with _____ boxes, which dividies into _____ trucks so that each truck has _____ boxes and _____ boxes remain in the loading area.

Numeracy Name:
Homework 1-11 – Intro to Division Date: Period:

Remember, all trucks must have the same number of boxes! See *Classwork 1-11* for examples of dividing boxes into trucks with remainders.

1) We start with **10** boxes, which divide into **3** trucks so that each truck has _____ boxes and _____ boxes remain in the loading area.

2) We start with **12** boxes, which divide into **4** trucks so that each truck has _____ boxes and _____ boxes remain in the loading area.

3) We start with **25** boxes, which divide into **2** trucks so that each truck has _____ boxes and _____ boxes remain in the loading area.

4) We start with **19** boxes, which divide into **4** trucks so that each truck has _____ boxes and _____ boxes remain in the loading area.

5) We start with **22** boxes, which divide into **5** trucks so that each truck has _____ boxes and _____ boxes remain in the loading area.

6) We start with **3** boxes, which divide into **2** trucks so that each truck has _____ boxes and _____ boxes remain in the loading area.

7) We start with **17** boxes, which divide into **3** trucks so that each truck has _____ boxes and _____ boxes remain in the loading area.

8) We start with **9** boxes, which divide into **4** trucks so that each truck has _____ boxes and _____ boxes remain in the loading area.

9) We start with **7** boxes, which divide into **5** trucks so that each truck has _____ boxes and _____ boxes remain in the loading area.

10) We start with **11** boxes, which divide into **3** trucks so that each truck has _____ boxes and _____ boxes remain in the loading area.

11) We start with **30** boxes, which divide into **5** trucks so that each truck has _____ boxes and _____ boxes remain in the loading area.

12) We start with **18** boxes, which divide into **4** trucks so that each truck has _____ boxes and _____ boxes remain in the loading area.

13) We start with **2** boxes, which divide into **3** trucks so that each truck has _____ boxes and _____ boxes remain in the loading area.

14) We start with **4** boxes, which divide into **2** trucks so that each truck has _____ boxes and _____ boxes remain in the loading area.

15) We start with **23** boxes, which divide into **3** trucks so that each truck has _____ boxes and _____ boxes remain in the loading area.