

Objectives:

- Students will divide positive integers from the multiplication table without remainders, as evidenced by them passing one-minute quizzes.
- Students will write time frames as the number of minutes, as evidenced by them completing a warm-up worksheet where they do so.
- Students will record everything they've done for one day (twenty-four hours), as evidenced by them completing an exhibition time log.

Materials:

- Unit calendar transparency
- “Minute Quiz 6-1” for each student
- “Warm-up 6-1” for each student
- Certificates/Awards for the unit 5 test
- “Sample Exhibition Project” for each table (class set)
- “Exhibition Project Requirements” handout for each student
- “Time Log” handout for each student

Do Now:

- Park stuff
- Work on warm-up
- Get ready for minute quiz

Homework:

- 10 hours of ALEKS due Friday
- Finish time log

Time	Activity
Before Bell	<p style="text-align: center;">AGENDA, DO NOW, AND WARM-UPS</p> <p>Write the agenda and the do now on the board. As students enter the classroom, shake their hands, give them a copy of the warm-up, and direct them to follow the directions listed for the “do now.”</p>
10 min	<p style="text-align: center;">MINUTE QUIZ, WARM-UP, 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. Students should work on the warm-up when 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 While students work on the warm-up, take attendance. After the allocated time is over, stamp warm-up and notes checkers.</p>
5 min	<p style="text-align: center;">AWARDS & ANNOUNCEMENTS</p> <p>Unit 5 Test Awards Last Friday, there was a test on percents. Hand out certificates to the students who did well on the test (at least 21 out of 30). Then, hand out to everyone their score.</p> <p>ALEKS Ask students, <i>Now, for the regular announcement. How many hours of ALEKS are due Friday?</i> Point to the homework assignment that indicates the answer. <i>[Ten.]</i></p>
25 min	<p style="text-align: center;">EXHIBITION: INTRODUCTION & TIME LOGS</p> <p>Since many students are complaining about the sudden increase of exhibitions, plainly explain to them that every class must have an exhibition. But, to make it worth the effort, the exhibition will count towards students’ test grades. So, if they get 30 out of 30 on the exhibition, it’s like getting a perfect score on a test. Awesome!</p> <p>Hand out the sample exhibitions (“A Day in the Life of Mr. Wong”) and go through it explain to students what the exhibition will be about. Students may use these sample projects during class. Collect them at the end of this work time. Now, give each student the “Project Requirements” handout and the “Time Log” handout. Students should work on the time log for their “notes” points for the day. When students finish, stamp their warm-ups & notes checkers.</p>

Lesson 6-1 – Exhibition Introduction & Time Logs

35 min	<p style="text-align: center;">ALEKS</p> <p>During this time, everyone should be working on ALEKS. If they did not finish their time log, they should finish them for homework since they will be used next class. Use this student work time to return graded homework.</p>
5 min	<p style="text-align: center;">CLEAN UP</p> <p>Students must check the laptops with the teacher or the TA before putting them away. After putting the laptops away, students should pack up, sit in their seats, and wait to be dismissed by the teacher (not by the bell). Make sure students push in their chairs as they leave.</p>

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

$60 \div 12 =$

$5 \div 1 =$

$21 \div 3 =$

$48 \div 4 =$

$54 \div 6 =$

$48 \div 8 =$

$6 \div 2 =$

$27 \div 3 =$

$88 \div 8 =$

$48 \div 6 =$

$32 \div 8 =$

$24 \div 12 =$

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

$60 \div 12 =$

$5 \div 1 =$

$21 \div 3 =$

$48 \div 4 =$

$54 \div 6 =$

$48 \div 8 =$

$6 \div 2 =$

$27 \div 3 =$

$88 \div 8 =$

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$6 \div 2 =$

$27 \div 3 =$

$88 \div 8 =$

$48 \div 6 =$

$32 \div 8 =$

$24 \div 12 =$

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

$72 \div 6 =$

$44 \div 4 =$

$100 \div 10 =$

$45 \div 9 =$

$108 \div 12 =$

$30 \div 5 =$

$5 \div 5 =$

$24 \div 12 =$

$44 \div 11 =$

$80 \div 8 =$

$1 \div 1 =$

$36 \div 3 =$

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

$72 \div 6 =$

$44 \div 4 =$

$100 \div 10 =$

$45 \div 9 =$

$108 \div 12 =$

$30 \div 5 =$

$5 \div 5 =$

$24 \div 12 =$

$44 \div 11 =$

$80 \div 8 =$

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$30 \div 5 =$

$5 \div 5 =$

$24 \div 12 =$

$44 \div 11 =$

$80 \div 8 =$

$1 \div 1 =$

$36 \div 3 =$

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

$30 \div 10 =$

$72 \div 12 =$

$35 \div 7 =$

$35 \div 7 =$

$20 \div 5 =$

$24 \div 8 =$

$8 \div 2 =$

$88 \div 8 =$

$6 \div 2 =$

$3 \div 3 =$

$22 \div 2 =$

$49 \div 7 =$

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

$30 \div 10 =$

$72 \div 12 =$

$35 \div 7 =$

$35 \div 7 =$

$20 \div 5 =$

$24 \div 8 =$

$8 \div 2 =$

$88 \div 8 =$

$6 \div 2 =$

$3 \div 3 =$

$22 \div 2 =$

$49 \div 7 =$

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

$30 \div 10 =$

$72 \div 12 =$

$35 \div 7 =$

$35 \div 7 =$

$20 \div 5 =$

$24 \div 8 =$

$8 \div 2 =$

$88 \div 8 =$

$6 \div 2 =$

$3 \div 3 =$

$22 \div 2 =$

$49 \div 7 =$

For each time frame, write the number of minutes.

Time Frame	Number of Minutes
7:00 am – 7:30 am	30
7:30 am – 7:45 am	
7:45 am – 8:15 am	
8:15 am – 9:15 am	
9:15 am – 11:30 am	
11:30 am – 12:30 pm	
12:30 pm – 12:45 pm	
12:45 pm – 1:15 pm	
1:15 pm – 2:00 pm	
2:00 pm – 2:10 pm	
2:10 pm – 2:30 pm	
2:30 pm – 5:00 pm	

For each time frame, write the number of minutes.

Time Frame	Number of Minutes
7:00 am – 7:30 am	30
7:30 am – 7:45 am	
7:45 am – 8:15 am	
8:15 am – 9:15 am	
9:15 am – 11:30 am	
11:30 am – 12:30 pm	
12:30 pm – 12:45 pm	
12:45 pm – 1:15 pm	
1:15 pm – 2:00 pm	
2:00 pm – 2:10 pm	
2:10 pm – 2:30 pm	
2:30 pm – 5:00 pm	

“A Day in the Life”
Project Requirements

Assignment: You will determine the percent of time you spend doing various activities in a 24-hour cycle and present it as a pie chart graph.

Hint: 1 day = 24 hours = 1440 minutes

Method:

Using your time log, keep track of everything you do for one day (24 hours). Then, group your activities and convert the time you spent on each category into a percent. Finally, graph these categories as a pie chart.

Grading:

Your completed project should include the following parts in this order. Your papers should be stapled or attached to a folder.

Title Page Must include the title (e.g. “A Day in the Life of Sally Student”), date, teacher's name, and period.	/ 2 pts
Time Log All activities during a 24-hour cycle must be listed with time frame and number of minutes. Activities must add up to 24 hours (1440 minutes).	/ 7 pts
Activities by Category Activities from the time log must be grouped into categories. Then, the time spent on each category must be converted to a percent.	/ 7 pts
Pie Chart Graph Activity categories must be graphed on the computer and include a legend indicating what each piece of the pie chart represents.	/ 7 pts
Personal Reflection One paragraph describing what you learned about <i>yourself</i> as a result of this project.	/ 3 pts
Mathematical Reflection One paragraph describing what you learned about <i>math</i> as a result of this project.	/ 3 pts
“Project Requirements” Handout Include this handout at the end of your project so that I can use it to grade your work.	/ 1 pts
Total Number of Points:	/ 30 pts

Late projects will lose five points for each day (including weekends) that they are late.

