Lesson 5-1 – Percents Diagnostics Test

Objectives:

- Students will divide positive integers from the multiplication table without remainders, as evidenced by them passing one-minute quizzes.
- Students will determine what they already know about percents and what they will learn in this unit, as evidenced by them completing an in-class diagnostics test where they do so.

Materials:

- Unit 4 test certificates
- Make-up minute quizzes for each student
- Laptop for each student
- Diagnostics test for each student

Do Now:

- Park stuff
- Get a laptop
- Work on ALEKS

Homework:

- 6 hours of ALEKS due Friday
- Do missing homework assignments

Time	Activity
Before Bell	**AGENDA, DO NOW, AND WARM-UPS** Write the **agenda** and the **do now** on the board. As students enter the classroom, shake their hands and direct them to follow the directions listed for the "do now."
5 min	**ANNOUNCEMENTS** Explain to students that you have a couple announcements to make. **6 Hours of ALEKS due Friday** Ask students, *The first announcement has to do with ALEKS. This week, how many hours of ALEKS do you need to have by Friday?* Point to the homework assignment that indicates the answer. *[Six.] That means we're not adding an additional hour from last week. That's because we have STAR testing this week, so we only meet once. So, it doesn't make sense to add a full hour. So, this week is a great opportunity to catch up or get ahead!* **Lesson Overview** Go over the agenda on the board so that students know what they are doing for class. In particular, stress that we are taking almost an entire class period to catch up on ALEKS, re-take missing minute quizzes, and boost our grades. So, it's an amazing opportunity!
5 min	**UNIT 4 TEST AWARDS** Present the certificates to the students who did great on the unit 4 polynomial test (>= 20 out of 23).
50 min	**ALEKS & MINUTE QUIZ MAKE-UPS** **ALEKS** From the "do now," students should already have a laptop to work on ALEKS. They should work quietly during this time, although whispering with a table partner for help is acceptable. Students must check the laptops with the teacher or the TA before putting them away. **Minute Quiz Make-ups** While students work on ALEKS, give each student the minute quizzes they must retake. Once they finish all their quizzes, they should give them back to you as a single packet.
15 min	**PERCENTS DIAGNOSTICS TEST** Explain to students that the diagnostics test is on material that they will learn *this* unit, so you haven't taught it to them yet. So, they shouldn't freak out if they don't know something—you will teach it to

	them this unit. But, to make you a better teacher, you want to get an understanding of what each student knows. Give each student a diagnostics test to take and return to you at the end of the period.
5 min	**CLEAN UP** Dismiss students by column to get their backpacks and pick up. The teacher dismisses the class, not the bell. Make sure students push in their chairs as they leave.

Numeracy
Percents Diagnostics Test

Name:
Date: Period:

To help me be a better teacher, I want to find out what you already know about percents. This diagnostics test will help me understand that. You will be graded on your effort, not the number of problems you get correctly.

1. 10% of your bananas are green.

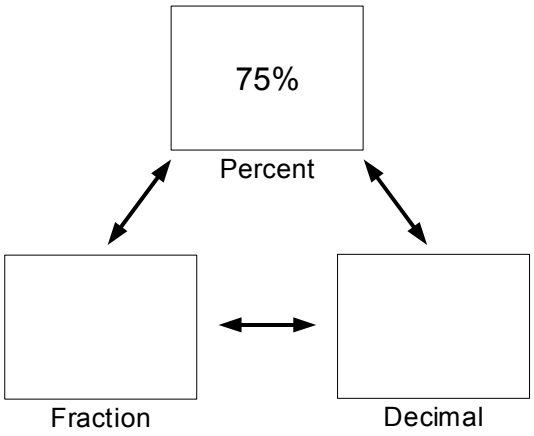
a) If you have one-hundred bananas, how many are green?

b) If you have fifty bananas, how many are green?

c) If you have two-hundred bananas, how many are green?

For problems 2 and 3, fill in the empty boxes by converting between fractions, decimals, and percents.

2.



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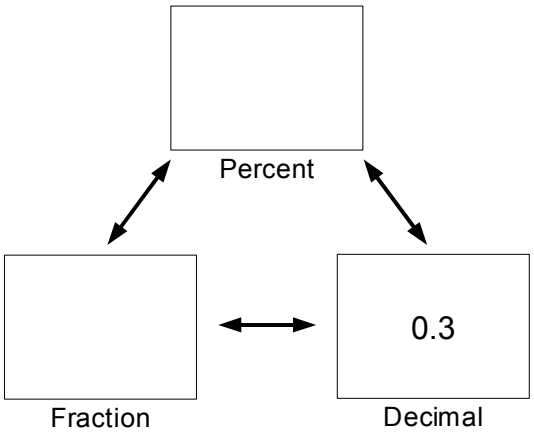

4. What is 5% of 30?

5. 50% of what is 40?

6. 5 is what percent of 25?

Numeracy | Name:
Percents Diagnostics Test | Date: | Period:

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3. 50% of what is 40?

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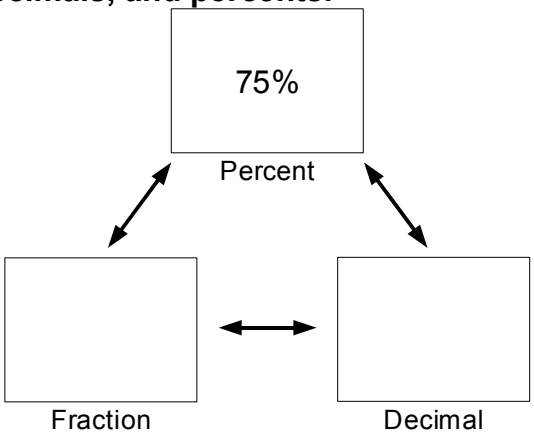

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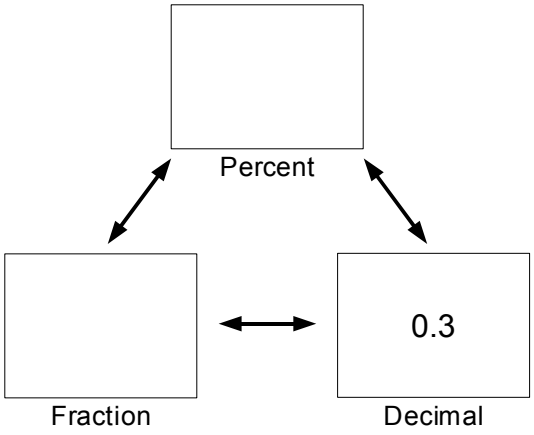

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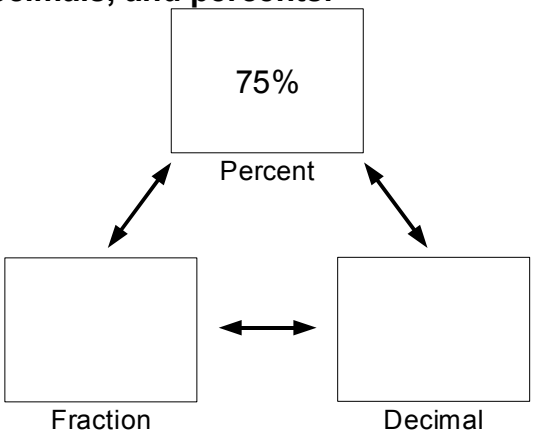

6.