

## 6<sup>th</sup> Grade Math example

1. Go to SAS website at <http://www.pdesas.org>. **Log in by clicking the Registered User? Sign in here** link near the lower right hand side of the page.
  - a. All facilitators already have account information. You should be able to click the *Sign in here* link and entering in your username (email address) and password. If you forgot your password, on this page, you can click the *Forgot Password* link and create a new password.
  - b. If you do not have a login, or your participants don't have a login, please have them click the *New User? Join Now* link. Enter a first and last name and email address. Then type a password (with a minimum of 6 letters and/or numbers) and then confirm the new password by typing it again.
2. **Click on Clear Standards** tab near the top of the page.
3. **Click on Vertical Viewer tab** which is the second tab.
  - a. **Click** on 2: Mathematics
  - b. **Click** on Standard Area 2.1: Numbers, Number Systems, and Number Relationships  

This will bring up the Vertical Viewer page where you will see that standard area and strands across grades 3-8.
  - c. **Select** the standard **2.1.6.C** Use models to represent the concept of equivalent forms of a fraction, decimal and/or percent. *When you click on this, you will be in the Standards Browse view. It will show the Subject Area – 2: Mathematics. The Standard Area – 2:1: Numbers, Number Systems and Number relationships, the grade level – 2.1.6: Grade 6; the standard 2.1.6.C Use models to represent the concept of equivalent forms of a fraction, decimal and/or percent. The last item it shows is Assessment anchor **M6.A.1: Demonstrate an understanding of numbers, ways of representing numbers, relationships among numbers, and number systems.***
  - d. **Click on M6.A.1.** This will bring up the Anchor Descriptors for that Anchor. There will be four in the list.
  - e. Select **M6.A.1.2: Compare quantities and/or magnitudes of numbers.**
  - f. Then **click** on **M6.A.1.2.1: Compare and/or order whole numbers, mixed numbers, fractions and/or decimals (do not mix fractions and decimals – decimals through thousandths).**



- *Please note: during the Institute, users will not be able to view the videos.*
6. Scroll back to the top of the page. Click on **Curriculum Framework**.
    - a. From the Select a Subject Area drop down menu, select **Mathematics**.
    - b. From the Select a Grade Level drop down menu, select **6<sup>th</sup> grade**.
    - c. **Click Search**.
    - d. You will see a list of Big Ideas. Click on the **first** big idea (**Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms**) to see the related Essential Questions, Concepts, Competencies, and Standards/Eligible Content.
    - e. You may need to scroll down to see the entire Curriculum Framework for this Big Idea.
    - f. In the **Standards/Eligible Content column**, in the **first row down** from the top, you will notice that the standard we have been focusing on is included. It is: **2.1.6.C**. If you hover over the number with your mouse, you will see the text for that eligible content.
    - g. **Click on this Standard: 2.1.6.C**. This will take you to the Browse Standards view and you can see the standard and anchor that this eligible content is related to.
  
  7. Click on the **Fair Assessments** tab. This page provides an overview of the four different types of Assessment.
    - a. Click on the Assessment Builder tab.
    - b. Enter in the word **fraction** into the **Keyword Search**. Select **Mathematics** from the subject area drop down.
    - c. Click Search.
    - d. You will see 25 results for Fraction. **Click on the check boxes in front of the first five items**. Please note: when you click the check box, the top heading of the question will remain, but the question will be hidden.
    - e. **Scroll down** to the bottom of the page. **Click Build Assessment**.
    - f. This page allows you to reorder the questions by using the “Move Up” or “Move Down” in the upper right of the header for each question. **This is the Student Version** .
    - g. If you **click on the Teacher Version button, and scroll down, you will see the questions and the answers now**.
    - h. The Assessment can be printed from here, exported to Word, or saved to your ePortfolio. If you save the assessment to your ePortfolio, you can access it anywhere and anytime as long as you have an internet connection.
  
  8. Click on the **Interventions** tab at the upper right. Here you will see a list of Intervention Resources.
    - a. **Click on the second last item in the list, The IRIS Center** (this will open a link in a new window).
    - b. On the IRIS Center page, **click** the second icon from the left (green circle with pencil inside of it) labeled **Resources**.

- c. In the far left column labeled “Pick One”- **select Math**. Then in the middle column titled “Select” click on **Info Briefs**.
- d. This will populate the far right column. Click on the fourth one down, **Differentiated Instruction for Math**. This will open a pdf in a new window. This document gives an overview of Differentiated Instruction strategies and approaches for Mathematics instruction and could be used in conjunction with the other resources, materials, and lessons found within SAS.