

Educator's Guide

Technology Simplified



Educator's Guide to SMART Response Review for Everyday Math 6th Grade Mid-Year Assessment

Overview:

Students will use SMART Response (Senteo) clickers to review for the Everyday Math Mid-Year Assessment. This engaging lesson will provide a formative assessment of students' skills.

Grades and Subject Areas:

Grade 6
Subject Math

Objectives:

- Students will use SMART Response (Senteo) clickers to take a formative assessment
- Students will review for the Everyday Math Mid-Year Assessment

I Can Statements:

- I can correctly use SMART Response (Senteo) clickers.
- I can use landmarks to solve problems.
- I can read and explain graphs.
- I can solve exponent problems.
- I can add and subtract decimals.
- I can add, subtract, and multiply fractions.
- I can divide whole numbers.
- I can put fractions and decimals in order.

Curriculum Connections:

Alaska Content Standards:

Math:

A. A student should understand mathematical facts, concepts, principles, and theories.

A student who meets the content standard should:

- 1) understand and use numeration, including
 - a. numbers, number systems, counting numbers, whole numbers, integers, fractions, decimals, and percents
- 2) select and use appropriate systems, units, and tools of measurement, including estimation;
- 3) perform basic arithmetic functions, make reasoned estimates, and select and use appropriate methods or tools for computation or estimation including mental arithmetic, paper and pencil, a calculator, and a computer;
- 4) represent, analyze, and use mathematical patterns, relations, and functions using methods such as tables, equations, and graphs;
- 6) collect, organize, analyze, interpret, represent, and formulate questions about data and make reasonable and useful predictions about the certainty, uncertainty, or impossibility of an event.

ISTE Student Standards:

6. Technology Operations and Concepts

Students demonstrate a sound understanding of technology concepts, systems and operations. Students:

- a. understand and use technology systems.

ISTE Teacher Standards:

IV. Assessment and Evaluation

Teachers apply technology to facilitate a variety of effective assessment and evaluation strategies. Teachers:

- A. apply technology in assessing student learning of subject matter using a variety of assessment techniques.
- B. use technology resources to collect and analyze data, interpret results, and communicate findings to improve instructional practice and maximize student learning.

Technology Integration:

Hardware and Software Needs

Teacher laptop

Projector

SMART Board 10.7 software. Put in a work order if it is not on your computer

SMART Response (Senteo) clickers set, which includes clickers and a receiver

Resources:

Handouts or Downloads

- SMART Board Notebook Lesson- 6Midyear2.notebook
- How to Guide - SMART Response Class Set Up

Web resources

- Join the SMART Exchange to download lessons <http://exchange.smarttech.com/> - tab=0

Lesson Plan

Prep Time:

20 minutes

Background Knowledge:

First semester Everyday Math skills

Prior to Lesson:

1. Download the SMART Notebook Lesson 6Midyear2.notebook
2. Follow the directions on the *How to Set Up a SMART Response Class* attachment to create a class and add students

Time Needed for Lesson:

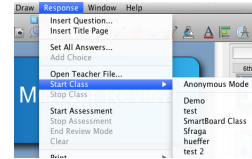
45 minutes to 1 hour

Directions:

A few minutes before the lesson:

Start the class

1. Connect the SMART Response receiver to your teacher laptop
2. Wait until you see a green light on the receiver
3. Click on the SMART Board Notebook lesson to open it
4. Click on *Response* in the top menu bar
5. Drop down to *Start Class*
6. Click on the name of the class you wish to start



Set up

1. Project your computer's image onto a screen, whiteboard or SMART Board. You may wish to connect your SMART Board to your laptop so that you will be able to use the interactive features of the SMART Board, but this is not essential for the lesson.
2. The title page of the lesson should be projected. You may toggle to full screen at any time by clicking on the full screen icon.



Direct students to prepare for the lesson

1. Have students get out the following materials
 - a. Their Student Resource Book (SRB)
 - b. A pencil and scratch paper or whiteboard and marker
 - c. Something to work on quietly while waiting for other students to complete each question

Set the purpose for the lesson

1. Use the blue arrow in the lower left hand pane of the SMART notebook to navigate to the next page of the lesson
2. Review the *I can* statements with students



Open the simulator

1. Click on your computer's finder icon in the doc (or just click on the desktop)
2. Click on the SMART Response icon in the top menu bar
3. Drop down to *Simulator* and click on it
4. A fully functional clicker simulator will appear on your desktop
5. You can move the simulator around by clicking on the grey bar at the top and dragging it around



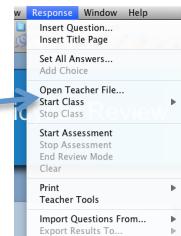
Give clicker instructions

1. Use the simulator to demonstrate how to turn on the clicker, how to use the arrows, and *Enter* button, and how to log in as a student
 - a. Turn on the clicker with the tiny green button on the top left
 - b. If your class name appears, click on it
 - c. If your class name does not appear, arrow down to *Find a Class* and click *Enter*
 - d. A line of arrows will appear at the bottom of the screen while the clicker is looking for classes
 - e. When you see your class, arrow up or down to it and press *Enter*
 - f. Enter your id in the *ID* field
 - g. When your name appears on the clicker, click *Enter*
 - h. The word *Welcome* and your name should appear
2. Pass out the clickers and have students sign in. Students may need to hold down the power button for a few seconds to turn on their clickers.
3. Once students are all signed in, have them put their clickers face down on their desks, while they watch you demonstrate the next steps.
4. If you keep your Teacher Tools open to the *Students* tab, you will be able to see who is signed in correctly. A green dot will appear next to each student's name as they sign in. Sometimes students forget to press the *enter* key. This is a good opportunity to assure that all students know how to do this.



Start the assessment

1. Click on *Response* in the top menu bar of the SMART notebook
2. Drop down to and click on *Start Assessment*



Use the blue arrow to navigate to the first question in the SMART Notebook

This question is *designed to give students practice entering multiple-choice answers*

Use the simulator to demonstrate how:

- a) To key in an answer and push the *Enter* key to arrow
- b) To use the *delete* key
- c) To navigate through answers with the arrows



3. Talk about the first question and direct students to enter their own answers on their clickers.
4. Instruct students to put their clickers face down and begin their silent work while waiting for other students to finish.
5. Once all clickers are face down, you may wish to review the question with students.

6. Navigate to the second question in the SMART Notebook.

This question is *designed to give students practice entering digits as answers.*

7. Talk about the second question and direct students to enter their own answers on their clickers.

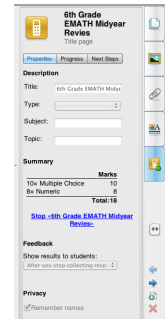
8. Instruct students to put their clickers face down and begin their silent work while waiting for other students to finish.

9. The remainder of the questions are content questions. Encourage students to use their Student Resource Books to answer each question.

Tips for working through the lesson

You may choose to review each question as you go along. In order to do this:

1. Look at the right hand pane of the SMART notebook. You can't see this pane in full screen mode.
2. Click on the *Properties* tab and click on *Answer Key* to show the answer to that question.
3. Click on the *Progress* tab and click on *Who isn't finished* to see which students still have not entered an answer, or click on *Results Preview* to view class results for that question in graph form
4. If you do not want students to see the information on this pane, you may wish to drag the simulator over it to hide it.



When you come to a question that requires answering with a fraction, you may wish to demonstrate how to use the fraction symbol on the simulator. The instructions are on the notebook pages for those questions.

Some grade levels require answering with a mixed number. Here are the directions for entering mixed number answers

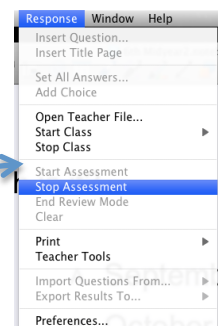
1. Enter the whole number
2. Press. (A slash will appear, but will correct itself to be a space when the next digits are entered)
3. Enter the numerator
4. Press.
5. Enter the denominator

These directions also appear on the notebook pages for those questions.

Finishing the lesson

When you are finished delivering the lesson, stop the lesson

1. Click on *Response* in the top menu bar of the SMART notebook
2. Drop down to and click on *Stop Assessment*



Instruct students to turn off clickers

Collect clickers

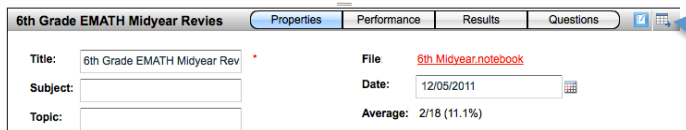
To view student results

1. Go to Teacher Tools
2. Click on the class you wish to review in the left hand pane
3. Click on the *Students* tab. You should be able to see students' grades for the most recent assessment

To export results

1. Click on the *Assessments* tab for another way to review results
2. Click on the assessment that you want to view

4. Click on the tabs at bottom to view Properties, Performance, Results and Questions



5. Click on the *export* icon to get a report

6. Click on either *Web Page html* or *CSV*. These are two ways to view results.
7. Click on OK
8. Name and save results
9. The document will automatically pop open

Extension/Challenge:

- Visit the SMART Exchange <http://exchange.smarttech.com/index.html#tab=0> to download free SMART Response lessons. Search by file type. Look for SMART Response question sets. By default, the SMART Exchange is set to search only for lessons made in the United States. Adding other English speaking countries such as England and Australia will increase the number of lesson choices.
- Contact your ITT for help creating your own lessons.

Set Up a Class in SMART Response

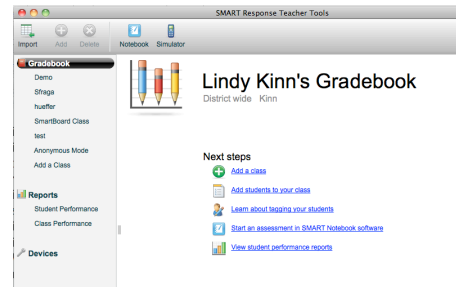


Open Teacher Tools

1. Click on your hard drive
2. Click on **Applications**
3. Scroll down to the **SMART Response** folder and click on it
4. Drag the **Desktop Menu** icon to your dock
5. Click on the icon to open it
6. A small icon should appear in your menu bar at the top of your computer screen
7. Click on the small icon
8. Click on **Teacher Tools**
9. A **Welcome to Teacher Tools** window should open

Set up a gradebook

1. Enter info and choose a gradebook name
2. Save this new folder to your documents folder



Add a class

1. Click on **Add a Class**
2. Enter a **class name** as you wish it to appear on students' clickers
3. Enter a passing grade
4. Click **Add**

Add students to your class

1. Find your class in the left pane and click on it
2. Click on the **Students** tab at the top
3. Click on the green + button at the top
4. Fill in Student ID, First Name, Last name fields
5. You may wish to use s# without the s (this field will not accept letters)
6. Repeat for each student
7. It is a good idea to add yourself as a student for demonstration purposes

