

Mary Wollin

Virtual 2nd grade math unit

Using Khan Academy videos for instruction, embedded quizzes, google forms, and game-based learning through Zearn and Prodigy, students will learn addition and subtraction within 100 from home. Although not linked on the website, I would also use weekly or daily Zoom meetings to ensure students are on track and help answer any questions.

Monday's Lesson

First, an optional review of place value is available at the top of the page. Then a two-minute video on adding 1s vs. adding 10s is presented with an embedded quiz following. The website includes a number grid for students to print out of use on their devices. After the quiz is submitted, I will grade it and provide feedback and additional support if needed. Then two videos on place value and addition are presented with the option of completing an addition quiz, a place value quiz, or a Zearn lesson. Students have the option of completing all options if they need extra practice.

Tuesday's Lesson

The second lesson focuses on subtraction. A two-minute video on subtracting 1s vs. subtracting 10s is available with an embed quiz. A number grid is available. After the quiz is submitted, I will grade it and provide feedback and additional support if needed. Then two videos on place value in subtraction are presented with the option of completing a subtraction quiz, a place value quiz, or a Zearn lesson. Students have the option of completing all options if they need extra practice.

Wednesday's Lesson

The third lesson has multiple short videos, so I did not include any quizzes. Instead, students can take notes on the videos with the provided template and upload a copy of their notes, or they can complete a Flipgrid video on what they learned. Then they can complete a Zearn and/or prodigy activity.

Thursday's Lesson

The fourth lesson focuses on subtracting. Students will first watch a video on subtracting 2-digit numbers without regrouping, and then they will complete a Kahoot! Quiz on subtraction within 100. Then they will watch another video on subtracting 1-digit numbers with regrouping. Students will then have the option to complete another Kahoot! Quiz on subtraction, and they will end the lesson by completing an activity in Zearn or Prodigy.

Friday's Lesson

The final lesson focuses on adding by making groups of 10. Students will watch the video and complete the Kahoot quiz on addition and subtraction within 100. Two other videos are available to understand better strategies, and students will end the lesson by completing a Zearn or Prodigy game.

This unit focuses on teaching math concepts in small segments, and students have choices between quizzes and complete game-based activities to solidify their learning. Both websites record data for teachers to keep track of to see how the student is progressing.