

Lesson Plan: Fraction Review

Mathletics

Grade 4-8

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45-60 MINS

Curriculum Expectations:

Apply and extend previous understanding of addition, subtraction, multiplication, and division of fractions.

Materials Required:

Mini-basketball net or waste basket
Review task cards & dry-erase boards or a Kahoot created lesson for students who are 1:1 with technology

Preparation:

Prepare a series of review task cards for fractions including simplifying, changing from mixed to improper, decimal form, adding and subtracting with like and unlike denominators, multiplying and dividing fractions. If students are 1:1 with Chromebooks or iPads, this review game can easily be created at Kahoot.com where students are simply given an access code and they each get to answer question with points and time given per student. The teacher can upload his/her own questions or choose from a previously created Kahoot on the topic desired.

Introduction to Lesson



10 MINS

Review key vocabulary words with students such as numerator, denominator, improper fraction, mixed fraction, reciprocal, etc. Give examples on how to solve a variety of problems.

Lesson



30 MINS

When playing the review games on dry-erase boards, place students into small groups. Place a review card on the overhead and the first team to lift up the board with the correct answer showing all work, receives a point. This student also gets the opportunity to throw the ball in the hoop to get bonus points for their team. If this is done on Kahoot, the person that answers the question first each time, can come up and shoot a basket to earn more extra credit for themselves. You can also have the top 3 students shoot a basket as that is what Kahoot provides you after each question. Students can keep track of their own bonus points or the teacher can keep track on a class roster. The students who land in the top 3 spots at the end of the Kahoot review game, get an additional chance to shoot 5 more baskets each.

Closure



10 MINS

Fractions are a math topic that will be incorporated into their lessons throughout high-school. It is very important for students to grasp this concept fully. Have students talk about how fractions are used in real life and use that as an assessment.



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EXTENSION OF LEARNING

This review can be adapted to fit any math concept. Have students bring in measuring cups both liquid and solid and measure different ingredients or items such as beads, paper clips, etc. Students can work on all fraction topics and this will help them understand the actual amounts of $\frac{1}{8}$, $\frac{1}{4}$, $\frac{1}{3}$, $\frac{2}{3}$, etc.



Review Task Cards

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