

FRACTIONS

Subject

Mathematics

Prepared By

[Instructor Name]

Grade Level

5

Overview

This lesson plan covers teaching content for;

1. Ordering of fractions
2. Converting decimal to fraction

Objectives

Students should be able to;

1. Order fractions
2. Convert decimal to fraction

Activity Starter/Instruction

1. Provide each student with a fraction card.
2. Explain to the students that they must find their 'fraction team', that is, they must gather in a group with all the other students that have a fraction equivalent to the one on their card.
3. Once they have found all the members of their fraction team, they must sit down.
4. The first fraction team to find all of their correct members is the winner!

Guided Practice

Day 2/ Lesson 2: 15 Mins

1. Pupils are grouped into four team. Teams find a workspace area on the floor. It needs to be a large enough area that pupils can sit side-by-side.
2. The #1 team member (the captain) selects a set of cards (fractions written on it) from the bag. The cards are spread apart for all members to see.
3. The task is to order the cards LEAST TO GREATEST. The students take turns selecting a

Teacher Guide

Day 1/Lesson 1: 15Mins

1. Each student will need one piece of newspaper. Students place the piece of newspaper out as a 'whole piece'. The teacher plays some fun dancing music so that the students can dance along on their piece of newspaper.
2. When the music stops, the students must pick up their piece of paper and fold it in half. They then start dancing on half of the newspaper. Again, the music stops and they fold the piece of paper so that they are dancing on only one quarter. Finally, they fold the newspaper so that they are only dancing on one eighth of the paper.
3. An activity kids will love doing. They can then unfold their piece of paper to see the folds in the paper. A great discussion can take place after this game about the different fractions they created during this activity.

Materials Required

- Fraction cards
- Newspapers
- Music
- Set of cards (fractions written on it)
- White board

Additional Resources

- <https://www.the-teacher-next-door.com/my-blog/math/fraction-activities-students-love>
- <https://betterlesson.com/lesson/594910/converting-fractions-and-decimals>
- <https://www.ck12.org/book/CK-12-Middle-School-Math-Grade-6/section/5.8/>
- <http://www.marilynburnsmathblog.com/fix-it-an-activity-for-ordering-fractions/>
- <https://www.weareteachers.com/fraction-games/>
- <https://www.mathgoodies.com/lessons/fractions/ord>
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Additional Notes

card and identifying its position - justifying the choice.

4. Once the cards are ordered least to greatest, the captain selects a team member to check the answer key. The captain calls out each fraction to the checker. The checker responds by saying "Check!" if the fraction is correct.

5. If the captain comes to a fraction that is NOT CORRECT, the answer key is immediately placed back into the bag and the cards are mixed-up again and the process begins again. This is done repeatedly until the order is done correctly.

Guided Practice

Day 3/ Lesson 4: 20mins

1. Write a number on the board with four digits to the left of the decimal place and four digits to the right, such as 1,234.5678. Review the values of the places to the left of the decimal point, i.e., the value of the 1 is 1,000 because the digit 1 is in the thousands place, the value of the 2 is 200 because the digit 2 is in the hundreds place, and so on.

2. Point out the value of digits to the right of the decimal point, i.e., the 5 is in the tenths place, the 6 is in the hundredths place, the 7 is in the thousandths place, and the 8 is in the ten-thousandths place.

3. Write the following decimals on the board: 0.4, 0.57, and 0.125. Say the name of each decimal, i.e., four tenths, fifty-seven hundredths, and one hundred twenty-five thousandths. $0.4 = 4/10$, $0.57 = 57/100$, and $0.125 = 125/1,000$

4. Point out that some of these fractions can be expressed in simplest terms: $4/10 = 2/5$ and $125/1,000 = 1/8$.

	Assessment Activity Assess if pupils can 1. Order fraction 2. Convert decimal to fraction Summary 1. Explain the practices for clearer understanding and ask pupils questions.	Assessment Activity Pupils need to be familiar with ordering fractions from least to greatest or greatest to least and converting decimal to fractions.