Conversion Between Fractions and Decimal

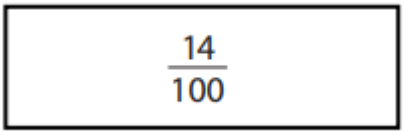
Learning Objective:

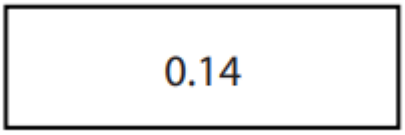
- Express a decimal number as a fraction whose denominator is 10, 100, or 1000.
- Convert a given fraction to a decimal if:
    - denominator of the fraction is 10, 100 or 1000.
    - denominator of the fraction is not 10, 100 or 1000 but can be converted to 10,100 or 1000.

Let's Talk Math: Discuss with pupils that a decimal is a fraction represented in a special form.

Make Sure You Have:

- Fraction number cards
- Decimal number cards





Activity: Flip and Match

Duration: 1 Lesson **Whole Class Activity**

Let's Try It:

- Prepare two sets of cards: one set with fractions (denominators 10, 100, 1000) and the other set with the corresponding decimal numbers.
- Place the fraction and decimal card piles face down on a table.
- Ask the pupils to take out their whiteboards and markers.
- Call one pupil to pick a card from either the fraction or decimal pile.
- The pupil shows the card to the class.
- The rest of the class writes the corresponding fraction or decimal on their whiteboards.
- While the class writes, the pupil who picked the card finds the matching card from the other pile.
- Ensure the pupil selects the correct matching card.
- Ask all pupils to show their answers written on their whiteboards.
- Give a thumbs up for the correct answers!

Assessment: Ask pupils to solve some realistic questions that involve decimals. Here is an example below:

Javeria and Tina drove to their aunt's house. Javeria drove 9.75 km. Tina drove 3.50 km before they arrived. How many kilometres had they driven altogether?

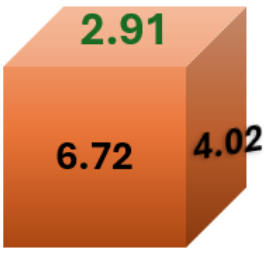
Basic Operations on Decimal Numbers

Learning Objective: Add and subtract 3-digit numbers (up to 2 decimal places).

Let's Talk Math: Explain to pupils that decimal are an extension of whole numbers while tenths and hundreds are linked to fractions.

Make Sure You Have:

- Dice
- A4 Sheets



Add/Subtract Decimals	
1.	2.
3.	4.

Activity: Operation of Decimal Numbers

Duration: 1 Lesson **Whole Class Activity**

Let's Try It:

- Prepare paper cubes or use regular dice with stickers showing different decimal numbers on each face.
- Create worksheets for each pupil to record the results of the activity.
- Divide the class into 4 or 5 groups and give each group two dice and individual worksheets.
- Each pupil rolls the dice twice and note the decimal numbers in the provided worksheet.
- Pupils will then add and subtract the decimal numbers they rolled.
- After completion, pupils will peer-check each other's answers.
- The group that finishes first with all correct answers wins the challenge!

Assessment: Ask the pupils to weigh different objects and divide them into two categories:

  - mass in whole numbers and
  - mass in decimal numbers.

Now, ask the students to round off the decimal numbers to the nearest whole number and arrange all of them in an ascending and descending order.