Objective

By the end of this lesson, you will be able to multiply numbers by tenths and understand the concept of multiplying by decimals.

Materials and Prep

- Pencil
- Blank paper

Activities

- Activity 1: Drawing Tenths

  Draw a large rectangle on your paper and divide it into 10 equal parts. Label each part as 0.1, 0.2, 0.3, and so on, until 1.0. Practice shading in different fractions of the rectangle to represent different tenths.

- Activity 2: Multiplying by Tenths

  Write down a few whole numbers and practice multiplying them by different tenths. For example, multiply 5 by 0.1, 3 by 0.3, and 7 by 0.5. Calculate the answers and write them down.

- Activity 3: Real-Life Examples

  Think of real-life scenarios where multiplying by tenths is useful. For instance, if you have 8 apples and you want to share them equally among 10 friends, how many apples would each friend get? Calculate the answer using multiplication by tenths.

Talking Points

- When we multiply a number by a tenth, we are dividing it into 10 equal parts.

- Multiplying by 0.1 is the same as dividing by 10. It gives us a fraction of the original number.

- For example, if we multiply 6 by 0.1, we are dividing 6 into 10 equal parts. Each part is 0.6.

- When we multiply a whole number by a decimal, the answer will always be smaller than the original number.

- Remember, the zero in front of the decimal point is important. It represents the whole number part of the decimal.

- Using decimals and multiplying by tenths can help us solve real-life problems, like dividing things equally or calculating discounts.

- Let's practice multiplying by tenths using different numbers and scenarios.

- Remember to always double-check your calculations to make sure you have the correct answer.

- Feel free to ask any questions or share your thoughts as we go through the activities.

- Have fun exploring the world of multiplying by tenths!