Introduction to Addition by Partitioning with Two Digit Numbers for Beginner Learners

Introduction to Addition by Partitioning

Welcome to our introduction to addition by partitioning with two-digit numbers for beginner learners! This worksheet is designed to help you understand the concept of addition by partitioning and how to apply it to solve simple addition problems.

By the end of this worksheet, you will be able to break down two-digit numbers into tens and ones, and use this understanding to solve addition problems.

What is Addition by Partitioning?

Addition by partitioning is a method of adding numbers by breaking them down into smaller parts, such as tens and ones.

This method helps us to understand the concept of place value and makes it easier to solve addition problems.

Breaking Down Two-Digit Numbers

To break down a two-digit number into tens and ones, we need to identify the tens and ones in the number.

For example, the number 45 can be broken down into 4 tens and 5 ones.

- 45 = 40 + 5
- 40 = 4 tens
- 5 = 5 ones

Practice Breaking Down Two-Digit Numbers

Break down the following two-digit numbers into tens and ones:

1. 56 = _____ + _____
2. 93 = _____ + _____
3. 75 = _____ + _____

Adding Two-Digit Numbers using Partitioning

To add two-digit numbers using partitioning, we need to break down each number into tens and ones, and then add the corresponding parts.

For example, 45 + 27 = ?

- 45 = 40 + 5
- 27 = 20 + 7
- 40 + 20 = 60
- 5 + 7 = 12
- 60 + 12 = 72

Practice Adding Two-Digit Numbers using Partitioning

Add the following two-digit numbers using partitioning:

1. 34 + 25 = _____
2. 17 + 43 = _____
3. 56 + 23 = _____

Differentiated Activities

For students who need extra support:

- Use base-ten blocks or hundreds charts to help you break down two-digit numbers into tens and ones.
- Practice adding single-digit numbers using partitioning before moving on to two-digit numbers.

For students who need a challenge:

- Try adding three-digit numbers using partitioning.
- Create your own word problems that involve adding two-digit numbers using partitioning.

Create Your Own Word Problem

Create a word problem that involves adding two-digit numbers using partitioning.

Conclusion

Congratulations! You have completed our introduction to addition by partitioning with two-digit numbers for beginner learners.

Remember to practice breaking down two-digit numbers into tens and ones, and to use this understanding to solve addition problems.

Assessment

Can you:

1. Break down a two-digit number into tens and ones?
2. Add two-digit numbers using partitioning?
3. Apply the concept of addition by partitioning to solve real-world problems?

Extension

Create a game or activity that helps you practice adding two-digit numbers using partitioning.

Reflection

Reflect on what you have learned about addition by partitioning with two-digit numbers.

What did you find challenging? What did you enjoy?