Partitioning Two-Digit Numbers for Addition Worksheet

Introduction

Welcome to the Partitioning Two-Digit Numbers for Addition worksheet! This activity is designed for students aged 7-8 years to evaluate their understanding of partitioning two-digit numbers for addition.

The worksheet consists of multiple-choice, fill-in-the-blank, and short answer questions to assess students' ability to demonstrate their understanding of the concept.

Section 1: Multiple Choice Questions

Choose the correct answer for each question.

1. What is the purpose of partitioning two-digit numbers in addition?
   - a) To make the numbers smaller
   - b) To make the numbers larger
   - c) To break down the numbers into tens and ones
   - d) To add the numbers together
2. If you have 45 + 27, how would you partition the numbers?
   - a) 40 + 5 + 20 + 7
   - b) 40 + 5 + 30 + 7
   - c) 50 + 5 + 20 + 7
   - d) 50 + 5 + 30 + 7
3. What is the result of 56 + 24 when partitioned into tens and ones?
   - a) 60 + 10 + 6 + 4
   - b) 50 + 6 + 20 + 4
   - c) 60 + 6 + 20 + 4
   - d) 50 + 10 + 6 + 4

Section 2: Fill-in-the-Blank Questions

Fill in the blanks with the correct answers.

1. When adding two-digit numbers, it is helpful to break down the numbers into _____ and _____.
2. The number 75 can be partitioned into _____ tens and _____ ones.
3. If you have 43 + 19, the partitioned form would be _____ + _____ + _____ + _____.

Section 3: Short Answer Questions

Answer the questions in complete sentences.

1. Explain the concept of partitioning two-digit numbers for addition. Provide an example to support your explanation.

2. Solve the problem 67 + 35 using partitioning. Show your work and explain your reasoning.

3. How does understanding place value help when adding two-digit numbers? Provide an example to support your explanation.

Section 4: Word Problems

Use partitioning to solve the word problems.

1. Tom has 45 pencils in his pencil case. His friend gives him 27 more pencils. How many pencils does Tom have now?

2. A bookshelf has 56 books on it. If 24 more books are added, how many books are on the bookshelf now?

Section 5: Challenge Questions

Answer the challenge questions to the best of your ability.

1. Create your own word problem using partitioning to solve a two-digit addition problem.

2. Explain how partitioning can be used to solve a multi-digit addition problem.

Conclusion

Congratulations on completing the Partitioning Two-Digit Numbers for Addition worksheet!

Remember to use partitioning to break down numbers into tens and ones to make addition easier.

Assessment Rubric

The assessment rubric is as follows:

- Multiple Choice Questions: 1 point for each correct answer
- Fill-in-the-Blank Questions: 2 points for each correct answer
- Short Answer Questions: 5 points for each correct answer, with 2 points for explanation and 3 points for correct calculation

Note to Teacher

Note to teacher:

- Allow students to use a hundreds chart to help with place value.
- Provide a graphic organizer to help students break down the numbers into tens and ones.
- Offer one-on-one support during the assessment.
- Encourage students to explain their reasoning and provide examples to support their answers.

Note to Teacher

Note to teacher:

- Allow students to use a hundreds chart to help with place value.