

Introduction

This 10-page worksheet is designed to assess students' understanding of subtraction concepts, particularly in applying subtraction to 3-digit numbers and understanding regrouping in subtraction.

Learning Objectives

By the end of this assessment, students will be able to:

1. Identify the concept of subtraction
2. Apply subtraction to 3-digit numbers
3. Understand regrouping in subtraction
4. Demonstrate problem-solving skills using real-world examples

Multiple Choice Questions

Choose the correct answer for each question:

1. What is the result of subtracting 147 from 257?
A) 100
B) 110
C) 120
D) 130
2. If Sally has 245 pencils and gives 117 to her friend, how many pencils does Sally have left?
A) 128
B) 138
C) 148
D) 158
3. A bookshelf has 357 books. If 197 books are removed, how many books are left on the bookshelf?
A) 160
B) 170
C) 180
D) 190
4. What is the result of subtracting 249 from 349?
A) 100
B) 110
C) 120
D) 130
5. If a toy car track is 275 cm long and a section of 127 cm is removed, how long is the remaining track?
A) 148
B) 158
C) 168
D) 178

Short Answer Questions

Show your work and explain your answers:

1. Subtract 247 from 357 and show your work.
2. If a water tank can hold 375 liters of water and 217 liters are already filled, how much more water can be added to the tank? Show your work.
3. A bakery has 297 cupcakes and sells 147 cupcakes. How many cupcakes are left? Show your work.

Interactive Drag-and-Drop Activity

Drag the correct answers to the corresponding boxes:

* $457 - 279 = ?$

* $945 - 378 = ?$

* $753 - 219 = ?$

* $624 - 397 = ?$

* $985 - 472 = ?$

Word Problems

Read each problem carefully and show your work:

1. Tom has 250 pencils in his pencil case. He gives 120 pencils to his friend. How many pencils does Tom have left?
2. A library has 350 books on a shelf. If 150 books are removed, how many books are left on the shelf?
3. A bakery has 400 cupcakes in a display case. If 200 cupcakes are sold, how many cupcakes are left?

Regrouping in Subtraction

Use regrouping to solve each problem:

1. Subtract 147 from 257 using regrouping.
2. Subtract 249 from 349 using regrouping.
3. Subtract 357 from 457 using regrouping.

Real-World Examples

Read each problem carefully and show your work:

1. If a toy car costs \$25 and you have \$50, how much money will you have left after buying the toy car?
2. If a book costs \$15 and you have \$30, how much money will you have left after buying the book?
3. If a pencil costs \$0.50 and you have \$5, how many pencils can you buy?

Visual Aids

Use the following visual aids to help you solve the problems:

Number lines

Hundreds charts

Base-ten blocks

Challenge Questions

Show your work and explain your answers:

1. Subtract 999 from 1,000.
2. Subtract 749 from 999.
3. Subtract 499 from 999.

Self-Assessment

Reflect on your learning:

1. What did you find easy about this assessment?
2. What did you find challenging about this assessment?
3. What do you think you need to work on to improve your subtraction skills?

Answer Key

Check your answers:

1. Multiple Choice Questions:
 1. B) 110
 2. A) 128
 3. B) 160
 4. C) 100
 5. C) 148
2. Short Answer Questions:
 1. 110
 2. 158
 3. 150
3. Interactive Drag-and-Drop Activity:
 - 457 - 279 = 178
 - 945 - 378 = 567
 - 753 - 219 = 534
 - 624 - 397 = 227
 - 985 - 472 = 513