

Grade 2 Math Worksheet: Adding Two-Digit Numbers With Regrouping

Name: _____

Date: _____

Part A: Place Value Review

Write the tens and ones for each number.

58 = _____ tens and _____ ones

76 = _____ tens and _____ ones

89 = _____ tens and _____ ones

94 = _____ tens and _____ ones

Part B: Vertical Addition

Solve these two-digit addition problems. (*Regroup when needed*)

$$\begin{array}{r} 47 \\ + 36 \\ \hline \end{array}$$

$$\begin{array}{r} 68 \\ + 24 \\ \hline \end{array}$$

$$\begin{array}{r} 55 \\ + 38 \\ \hline \end{array}$$

$$\begin{array}{r} 79 \\ + 17 \\ \hline \end{array}$$

$$\begin{array}{r} 46 \\ + 37 \\ \hline \end{array}$$

$$\begin{array}{r} 64 \\ + 28 \\ \hline \end{array}$$

Part C: Horizontal Addition

Solve these two-digit addition problems.

$$48 + 27 = \underline{\quad}$$

$$63 + 19 = \underline{\quad}$$

$$57 + 28 = \underline{\quad}$$

$$85 + 16 = \underline{\quad}$$

$$46 + 39 = \underline{\quad}$$

$$59 + 34 = \underline{\quad}$$

$$74 + 18 = \underline{\quad}$$

$$66 + 25 = \underline{\quad}$$

Part D: Breaking Apart Numbers

Solve by breaking apart the numbers into tens and ones.

$$47 + 35 = (40 + 30) + (7 + 5) = \underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$62 + 29 = (60 + 20) + (2 + 9) = \underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$56 + 37 = (50 + 30) + (6 + 7) = \underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$38 + 49 = (30 + 40) + (8 + 9) = \underline{\quad} + \underline{\quad} = \underline{\quad}$$

Part E: Word Problems

Solve these word problems. Show your work!

Liam picked 46 apples and his sister picked 39 apples. How many apples did they pick altogether?

Answer: _____

There are 58 boys and 27 girls in the school concert. How many children are performing in total?

Answer: _____

A toy store sold 75 puzzles in the morning and 18 puzzles in the afternoon. How many puzzles were sold in all?

Answer: _____

Maya read 68 pages on Saturday and 25 pages on Sunday. How many pages did she read in total?

Answer: _____

Part F: What's My Number?

Solve these addition puzzles.

I have 4 tens and 7 ones. My friend has 3 tens and 5 ones. What number do we make together? _____

I have 6 tens and 8 ones. My friend has 2 tens and 7 ones. What number do we

make together? _____

I have 5 tens and 9 ones. My friend has 4 tens and 3 ones. What number do we make together? _____

I have 7 tens and 6 ones. My friend has 1 ten and 8 ones. What number do we make together? _____

Part G: Fill in the Missing Numbers

Fill in the missing numbers in these addition problems.

$$48 + \underline{\quad} = 86$$

$$\underline{\quad} + 39 = 87$$

$$67 + 28 = \underline{\quad}$$

$$\underline{\quad} + 46 = 93$$

$$59 + 24 = \underline{\quad}$$

$$52 + \underline{\quad} = 89$$

Part H: Number Patterns

Add to find the next three numbers in each pattern.

36, 46, 56, _____, _____, _____

44, 54, 64, _____, _____, _____

29, 39, 49, _____, _____, _____

61, 71, 81, _____, _____, _____

Part I: Challenge Problems

Solve these more challenging addition problems.

$$37 + 26 + 19 = \underline{\hspace{2cm}}$$

$$64 + 18 + 27 = \underline{\hspace{2cm}}$$

$$55 + 29 + 17 = \underline{\hspace{2cm}}$$

$$73 + 16 + 12 = \underline{\hspace{2cm}}$$

Bonus Problem

Ms. Patel's class collected 47 markers, Mr. Brown's class collected 38, and Mrs. White's class collected 26. How many markers did they collect altogether?

Answer: _____

Answer Key

Grade 2 Math Worksheet: Adding Two-Digit Numbers With Regrouping

Part A: Place Value Review

58 = 5 tens and 8 ones

76 = 7 tens and 6 ones

89 = 8 tens and 9 ones

94 = 9 tens and 4 ones

Part B: Vertical Addition

diff

CopyEdit

$$\begin{array}{r} 47 \\ + 36 \\ = 83 \end{array}$$

$$\begin{array}{r} 68 \\ + 24 \\ = 92 \end{array}$$

$$\begin{array}{r} 55 \\ + 38 \\ = 93 \end{array}$$

$$\begin{array}{r} 79 \\ + 17 \\ = 96 \end{array}$$

$$\begin{array}{r} 46 \\ + 37 \\ = 83 \end{array}$$

$$\begin{array}{r} 64 \\ + 28 \\ = 92 \end{array}$$

Part C: Horizontal Addition

$$\begin{array}{l} 48 + 27 = 75 \\ 63 + 19 = 82 \\ 57 + 28 = 85 \\ 85 + 16 = 101 \\ 46 + 39 = 85 \\ 59 + 34 = 93 \\ 74 + 18 = 92 \\ 66 + 25 = 91 \end{array}$$

Part D: Breaking Apart Numbers

$$\begin{array}{l} 47 + 35 = (40 + 30) + (7 + 5) = 70 + 12 = \mathbf{82} \\ 62 + 29 = (60 + 20) + (2 + 9) = 80 + 11 = \mathbf{91} \\ 56 + 37 = (50 + 30) + (6 + 7) = 80 + 13 = \mathbf{93} \\ 38 + 49 = (30 + 40) + (8 + 9) = 70 + 17 = \mathbf{87} \end{array}$$

Part E: Word Problems

$$\begin{array}{l} 46 + 39 = \mathbf{85} \text{ apples} \\ 58 + 27 = \mathbf{85} \text{ children} \end{array}$$

$75 + 18 = \mathbf{93}$ puzzles

$68 + 25 = \mathbf{93}$ pages

Part F: What's My Number?

$47 + 35 = \mathbf{82}$

$68 + 27 = \mathbf{95}$

$59 + 43 = \mathbf{102}$

$76 + 18 = \mathbf{94}$

Part G: Fill in the Missing Numbers

$48 + \mathbf{38} = 86$

$\mathbf{48} + 39 = 87$

$67 + 28 = \mathbf{95}$

$\mathbf{47} + 46 = 93$

$59 + 24 = \mathbf{83}$

$52 + \mathbf{37} = 89$

Part H: Number Patterns

36, 46, 56, **66**, **76**, **86**

44, 54, 64, **74**, **84**, **94**

29, 39, 49, **59**, **69**, **79**

61, 71, 81, **91**, **101**, **111**

Part I: Challenge Problems

$37 + 26 + 19 = \mathbf{82}$

$64 + 18 + 27 = \mathbf{109}$

$55 + 29 + 17 = \mathbf{101}$

$73 + 16 + 12 = \mathbf{101}$

Bonus Problem

47 + 38 + 26 = 111 markers