Grade 2 Math Worksheet: Adding Two-Digit Numbers Without Regrouping

Name: _____ Date: _____

Part A: Place Value Review

Write the tens and ones for each number.

1. 34 = _____ tens and _____ ones
2. 52 = _____ tens and _____ ones
3. 87 = _____ tens and _____ ones
4. 61 = _____ tens and _____ ones

Part B: Vertical Addition

Solve these two-digit addition problems.

1.

```
  25
+ 14
 ----
```

2.

```
  43
+ 26
 ----
```

3.

```
   71
 + 18
 ----
```

4.

```
   32
 + 57
 ----
```

5.

```
   80
 + 19
 ----
```

6.

```
   24
 + 35
 ----
```

Part C: Horizontal Addition

Solve these two-digit addition problems.

1. 13 + 26 = _____
2. 41 + 28 = _____
3. 54 + 35 = _____
4. 70 + 29 = _____

5. 63 + 26 = _____
6. 52 + 37 = _____
7. 31 + 48 = _____
8. 64 + 25 = _____

Part D: Breaking Apart Numbers

Solve by breaking apart the numbers into tens and ones.

1. 23 + 45 = (20 + 40) + (3 + 5) = _____ + _____ = _____
2. 51 + 38 = (50 + 30) + (1 + 8) = _____ + _____ = _____
3. 72 + 17 = (70 + 10) + (2 + 7) = _____ + _____ = _____
4. 46 + 43 = (40 + 40) + (6 + 3) = _____ + _____ = _____

Part E: Word Problems

Solve these word problems. Show your work!

1. Mrs. Johnson's class collected 35 cans for recycling. Mr. Smith's class collected 24 cans. How many cans did they collect altogether?

   Answer: _____

2. Sam read 42 pages on Monday and 37 pages on Tuesday. How many pages did Sam read in all?

   Answer: _____

3. The school store sold 53 pencils in the morning and 26 pencils in the afternoon. How many pencils did they sell in all?

   Answer: _____

4. There are 45 second graders and 34 third graders on the playground. How many students are on the playground in all?

Answer: _____

Part F: What's My Number?

Solve these addition puzzles.

1. I have 2 tens and 3 ones. My friend has 4 tens and 6 ones. What number do we make together? _____

2. I have 6 tens and 1 one. My friend has 2 tens and 8 ones. What number do we make together? _____

3. I have 5 tens and 2 ones. My friend has 3 tens and 7 ones. What number do we make together? _____

4. I have 7 tens and 0 ones. My friend has 1 ten and 9 ones. What number do we make together? _____

Part G: Fill in the Missing Numbers

Fill in the missing numbers in these addition problems.

1. 34 + _____ = 60
2. _____ + 43 = 81
3. 25 + 54 = _____
4. _____ + 32 = 70
5. 61 + 28 = _____
6. 47 + _____ = 79

Part H: Number Patterns

Add to find the next three numbers in each pattern.

1. 14, 24, 34, _____, _____, _____
2. 23, 33, 43, _____, _____, _____
3. 47, 57, 67, _____, _____, _____
4. 18, 28, 38, _____, _____, _____

Part I: Challenge Problems

Solve these more challenging addition problems.

1. 25 + 13 + 21 = _____
2. 42 + 36 + 11 = _____
3. 50 + 30 + 19 = _____
4. 27 + 32 + 40 = _____

Bonus Problem

The second-grade classes are collecting box tops. Ms. Garcia's class collected 34 box tops, Mr. Lee's class collected 25 box tops, and Mrs. Taylor's class collected 40 box tops. How many box tops did they collect altogether?

Answer: _____

ANSWER KEY

Part A: Place Value Review

1. 34 = 3 tens and 4 ones
2. 52 = 5 tens and 2 ones
3. 87 = 8 tens and 7 ones
4. 61 = 6 tens and 1 one

Part B: Vertical Addition

1.

```
  25
+ 14
----
  39
```

2.

```
  43
+ 26
----
  69
```

3.

```
  71
+ 18
----
  89
```

4.

```
  32
+ 57
----
  89
```

5.

```
   80
 + 19
 ----
   99
```

6.

```
   24
 + 35
 ----
   59
```

Part C: Horizontal Addition

1. 13 + 26 = 39
2. 41 + 28 = 69
3. 54 + 35 = 89
4. 70 + 29 = 99
5. 63 + 26 = 89
6. 52 + 37 = 89
7. 31 + 48 = 79
8. 64 + 25 = 89

Part D: Breaking Apart Numbers

1. 23 + 45 = (20 + 40) + (3 + 5) = 60 + 8 = 68
2. 51 + 38 = (50 + 30) + (1 + 8) = 80 + 9 = 89
3. 72 + 17 = (70 + 10) + (2 + 7) = 80 + 9 = 89
4. 46 + 43 = (40 + 40) + (6 + 3) = 80 + 9 = 89

Part E: Word Problems

1. 35 + 24 = 59 cans
2. 42 + 37 = 79 pages
3. 53 + 26 = 79 pencils
4. 45 + 34 = 79 students

Part F: What's My Number?

1. 23 + 46 = 69
2. 61 + 28 = 89
3. 52 + 37 = 89
4. 70 + 19 = 89

Part G: Fill in the Missing Numbers

1. 34 + 26 = 60
2. 38 + 43 = 81
3. 25 + 54 = 79
4. 38 + 32 = 70
5. 61 + 28 = 89
6. 47 + 32 = 79

Part H: Number Patterns

1. 14, 24, 34, 44, 54, 64
2. 23, 33, 43, 53, 63, 73
3. 47, 57, 67, 77, 87, 97
4. 18, 28, 38, 48, 58, 68

Part I: Challenge Problems

1. 25 + 13 + 21 = 59
2. 42 + 36 + 11 = 89
3. 50 + 30 + 19 = 99
4. 27 + 32 + 40 = 99

Bonus Problem

34 + 25 + 40 = 99 box tops