

# Grade 4 · Adding and Subtracting Multi-Digit Numbers · Quiz

Common Core 4.NBT.B.4 · mathovore.fr

Name: \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_ Score: \_\_\_\_\_

Ten multiple-choice questions check regrouping, column work, and word problems with multi-digit numbers (4.NBT.B.4). Pick the one correct answer for each question. Read the explanation after you answer to see the typical mistake behind the wrong choices.

## Grade 4 Common Core: 4.NBT.B.4

### Questions

---

#### Question 1

What is  $6,478 + 3,859$ ?

- A. 10,337
- B. 9,337
- C. 10,327
- D. 9,227

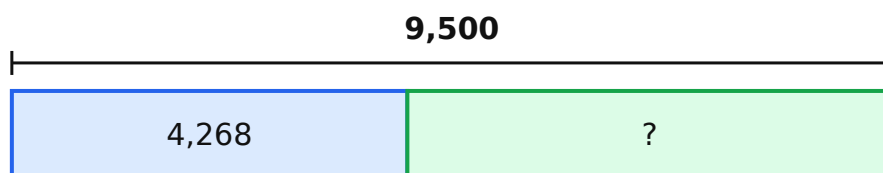
#### Question 2

What is  $8,000 - 3,426$ ?

- A. 5,574
- B. 4,626
- C. 5,426
- D. 4,574

#### Question 3

The tape diagram shows 9,500 split into two parts. What is the unknown part?



Whole and one part.

- A. 13,768
- B. 5,232

- C. 5,332
- D. 4,232

#### Question 4

In the standard algorithm, which column do you work on first?

- A. The leftmost column
- B. The thousands column
- C. The column with the largest digit
- D. The ones column

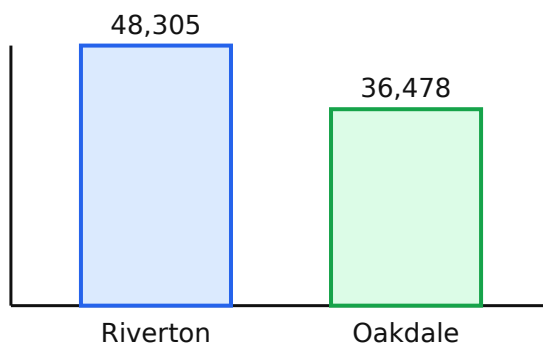
#### Question 5

In  $4,352 - 1,786$ , the ones digit 2 is less than 6. What should you do?

- A. Subtract 2 from 6 instead
- B. Regroup 1 ten as 10 ones, so 2 becomes 12
- C. Add 10 to the tens digit
- D. Regroup 1 hundred as 10 ones

#### Question 6

How many more people live in Riverton than in Oakdale?



Town populations.

- A. 12,827
- B. 11,827
- C. 11,833
- D. 84,783

#### Question 7

Jamal says  $7,000 - 2,345 = 4,755$ . Which check shows his answer is wrong?

- A.  $4,755 + 2,345 = 7,100$ , not 7,000
- B.  $4,755 - 2,345 = 2,410$
- C.  $4,755 + 7,000 = 11,755$

D.  $7,000 + 2,345 = 9,345$

### Question 8

A school collected 12,480 pennies in January and 9,675 pennies in February. How many pennies is that in all?

- A. 22,155
- B. 21,155
- C. 22,045
- D. 2,805

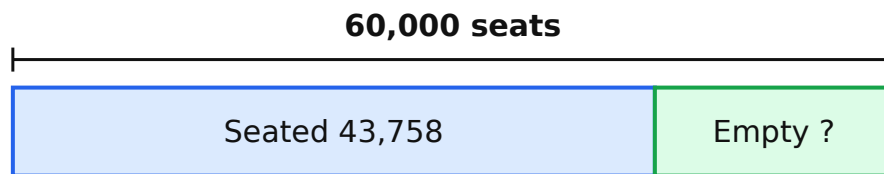
### Question 9

What is  $2,406 + 718 + 5,939$ ?

- A. 8,963
- B. 9,163
- C. 9,063
- D. 9,053

### Question 10

A stadium holds 60,000 fans and 43,758 are seated. How many seats are empty?



Whole, part, part.

- A. 17,242
- B. 16,258
- C. 16,242
- D. 103,758

## Answer key

---

1. **A** - Ones:  $8 + 9 = 17$ . Tens:  $7 + 5 + 1 = 13$ . Hundreds:  $4 + 8 + 1 = 13$ . Thousands:  $6 + 3 + 1 = 10$ . Forgetting to regroup the hundreds gives 9,337.
2. **D** - Regroup across the zeros: 7,999 and 10 ones. Subtracting with only one regrouping gives 5,574, a typical mistake.
3. **B** - The missing part is the whole minus the known part:  $9,500 - 4,268 = 5,232$ . Adding gives 13,768 instead.
4. **D** - Start at the ones, because regrouping moves from right to left.
5. **B** - A ten can be traded for 10 ones, giving  $12 - 6$ . Reversing the digits is a common mistake.
6. **B** - Subtract:  $48,305 - 36,478 = 11,827$ . Adding the populations gives 84,783.
7. **A** - Adding the difference and the subtracted number must give the starting number.  $4,755 + 2,345 = 7,100$ , so the answer should be 4,655.
8. **A** -  $12,480 + 9,675 = 22,155$ . Missing one regrouping gives 21,155.
9. **C** -  $2,406 + 718 = 3,124$ , and  $3,124 + 5,939 = 9,063$ .
10. **C** -  $60,000 - 43,758 = 16,242$ . Forgetting to regroup a ten thousand gives 17,242.

### Remember:

- Line up digits by place value before you add or subtract.
- Work from the ones column to the left.
- Regroup (carry) when a column adds to 10 or more.
- Regroup (borrow) when the top digit is too small to subtract from.
- Check a difference by adding it to the subtracted number.