

# Grade 4 · Adding and Subtracting Multi-Digit Numbers · Test Answer Key

Common Core 4.NBT.B.4 · mathovore.fr

Use this answer key to score the test on adding and subtracting multi-digit numbers. Each solution shows the regrouping and a scoring guide that explains how the points are awarded, so a partly correct answer earns partial credit. The total is 20 points.

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

### Question 1: Adding (2 points)

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- a.  $4,758 + 3,689 = 8,447$ . **8,447**
- b.  $52,384 + 19,847 = 72,231$ . **72,231**

Scoring: 1 point for each correct sum.

### Question 2: Subtracting (2 points)

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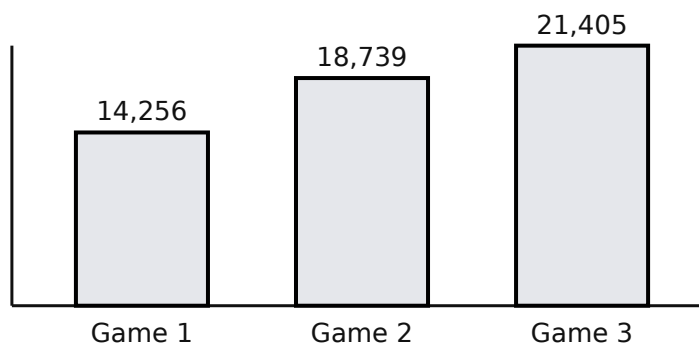
- a.  $7,402 - 2,865 = 4,537$ . **4,537**
- b.  $90,000 - 46,318 = 43,682$ . **43,682**

Scoring: 1 point for each correct difference.

### Question 3: Fans at three games (2 points)

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- a.  $14,256 + 18,739 = 32,995$ . **32,995 fans**
- b.  $21,405 - 14,256 = 7,149$ . **7,149 more fans**



Games 1 and 2 together: 32,995.

Scoring: 1 point for each part.

#### Question 4: Liam's subtraction (2 points)

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Check:  $4,642 + 2,458 = 7,100$ , not  $6,000$ . So Liam's answer is wrong (he probably did not regroup across the zeros).

Correct:  $6,000 - 2,458 = 3,542$ . **3,542**

$$\begin{array}{r} \phantom{0}5 \phantom{0}9 \phantom{0}9 \phantom{0}10 \\ \phantom{0}6, \phantom{0}0 \phantom{0}0 \phantom{0}0 \\ - \phantom{0}2, \phantom{0}4 \phantom{0}5 \phantom{0}8 \\ \hline \phantom{0}3, \phantom{0}5 \phantom{0}4 \phantom{0}2 \end{array}$$

Correct work for  $6,000 - 2,458$ .

Scoring: 1 point for showing the check fails; 1 point for the correct difference 3,542.

#### Question 5: Missing numbers (2 points)

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a.  $10,204 - 3,659 = 6,545$ . **6,545**

b.  $8,000 - 2,347 = 5,653$ . **5,653**

Scoring: 1 point for each missing number.

#### Question 6: Three addends (2 points)

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$18,205 + 4,967 = 23,172$ ; then  $23,172 + 30,418 = 53,590$ .

**53,590**

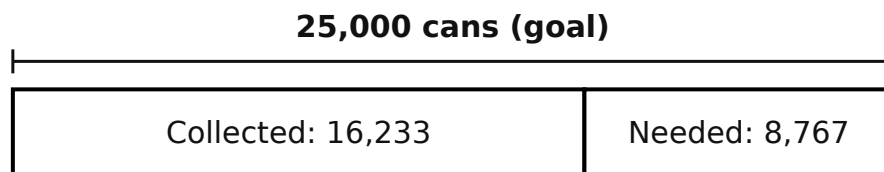
Scoring: 1 point for a correct partial sum; 1 point for the correct total.

#### Question 7: Can drive (3 points)

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a.  $6,874 + 9,359 = 16,233$ . **16,233 cans**

b.  $25,000 - 16,233 = 8,767$ . **8,767 cans**



$16,233 + 8,767 = 25,000$ .

Scoring: (a) 1 point. (b) 1 point for setting up  $25,000 - 16,233$  and 1 point for the correct answer.

### Question 8: Truck route (3 points)

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Miles driven:  $1,486 + 1,729 = 3,215$ , then  $3,215 + 1,358 = 4,573$ .

Miles left:  $5,000 - 4,573 = 427$ .

**427 miles**

Scoring: 1 point for the total driven, 1 point for the subtraction setup, 1 point for the correct answer.

### Question 9: Compare (2 points)

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a.  $6,205 + 3,798 = 10,003$ , which is greater than 10,000.  $>$

b.  $12,000 - 4,555 = 7,445$ .  $=$

Scoring: 1 point for each correct symbol.

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| <b>Total</b>     |
| <b>20 points</b> |