

Grade 3 · Adding and Subtracting Within 1,000

· Test Answer Key

Common Core 3.NBT.A.2 · mathovore.fr

Use this key to score the test out of 20 points. Each solution shows the work a student should write, and the scoring note explains how to give partial credit when a student shows correct steps but makes a small slip.

Grade 3 Common Core: 3.NBT.A.2

Question 1: Two sums (2 points)

a. $274 + 358 = 632$. **632**

b. $496 + 305 = 801$. **801**

Scoring: 1 point for each correct sum.

Question 2: Two differences (2 points)

a. $683 - 251 = 432$. **432**

b. $702 - 385 = 317$. **317**

Scoring: 1 point for each correct difference.

Question 3: Blocks (2 points)

The blocks show 235 and 148. $235 + 148 = 383$.



383

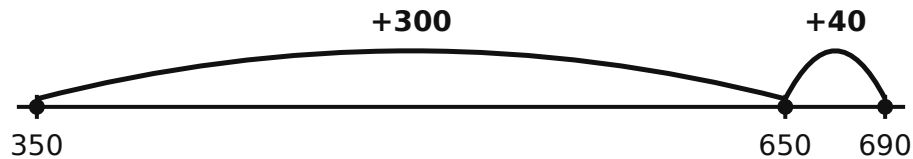
383 shown with blocks.

383

Scoring: 1 point for the correct addition sentence, 1 point for the correct total.

Question 4: Number line (2 points)

$350 + 300 = 650$, then $650 + 40 = 690$. The sentence is $350 + 340 = 690$.



The jumps end at 690.

690

Scoring: 1 point for the addition sentence, 1 point for 690.

Question 5: Estimate and solve (2 points)

- a. $400+400=800$. **800**
- b. $389+412=801$. **801**

Scoring: 1 point for a rounded estimate of 800, 1 point for the exact sum.

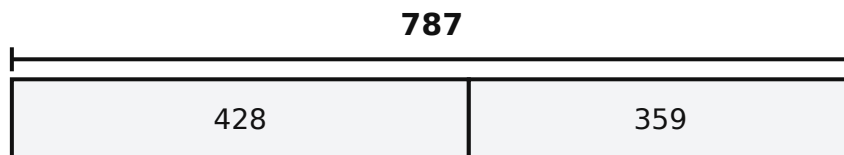
Question 6: Missing numbers (2 points)

- a. $500-267=233$. **233**
- b. $276+134=410$. **410**

Scoring: 1 point for each correct missing number.

Question 7: Library shelves (2 points)

$$428+359=787.$$



The total is 787.

787 books

Scoring: 1 point for a correct equation, 1 point for 787 books.

Question 8: Field trip (3 points)

- a. $278+195=473$. **473 students**
- b. $645-473=172$. **172 students**

c. $172+473=645$, which is the total number of students. The answer checks.

Scoring: 1 point for each part.

Question 9: Find the mistake (3 points)

- a. In the ones place, 3 is less than 8, so Noah must regroup. He cannot swap the digits to make the subtraction easier.
- b. Regroup: 503 is 4 hundreds, 9 tens, 13 ones. Ones: $13-8=5$. Tens: $9-4=5$. Hundreds: $4-2=2$. **255**
- c. $255+248=503$. The answer checks.

Scoring: 1 point for explaining that the digits must be regrouped, 1 point for 255, 1 point for a correct check.

Total
20 points