

Grade 2 · Subtracting Within 100 · Test Answer Key

Common Core 2.NBT.B.5, 2.NBT.B.9 · mathovore.fr

This key shows the full worked solution for each question and how the 20 points are given. Give credit when a student reaches the right answer by a different valid strategy, such as counting up or using blocks.

Grade 2 Common Core: 2.NBT.B.5 · 2.NBT.B.9

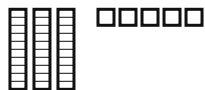
Question 1: Basic differences (2 points)

- a. Ones: $8 - 4 = 4$. Tens: $7 - 3 = 4$. $78 - 34 = 44$
- b. Ones: $5 - 2 = 3$. Tens: $9 - 6 = 3$. $95 - 62 = 33$

Scoring: 1 point for each correct difference.

Question 2: Blocks after trading (2 points)

- a. $5 - 2 = 3$ tens and $13 - 8 = 5$ ones are left. **3 tens and 5 ones**
- b. 3 tens and 5 ones is 35. $63 - 28 = 35$



What is left: 3 tens and 5 ones.

Scoring: 1 point for 3 tens and 5 ones, 1 point for 35.

Question 3: Trade a ten (2 points)

- a. Ones: 1 is less than 6, so trade 1 ten for 10 ones. Now there are 11 ones and 6 tens. Ones: $11 - 6 = 5$. Tens: $6 - 4 = 2$. $71 - 46 = 25$
- b. Ones: 0 is less than 7, so trade 1 ten for 10 ones. Now there are 10 ones and 7 tens. Ones: $10 - 7 = 3$. Tens: $7 - 3 = 4$. $80 - 37 = 43$

Scoring: 1 point for each correct difference.

Question 4: Jumps on a number line (2 points)

- a. $3 + 40 + 2 = 45$. **45**

- b. The jumps cover the gap from 27 to 72. $72 - 27 = 45$

Scoring: 1 point for the total of the jumps, 1 point for a correct subtraction sentence.

Question 5: Find the mistake (2 points)

- a. Aisha subtracted 4 from 9 in the ones column. But the top digit is 4 and the bottom digit is 9. She should have traded 1 ten for 10 ones.
b. Ones: 4 is less than 9, so trade 1 ten for 10 ones. Now there are 14 ones and 7 tens. Ones: $14 - 9 = 5$. Tens: $7 - 5 = 2$. $84 - 59 = 25$

Check: $25 + 59 = 84$.

Scoring: 1 point for saying she subtracted the smaller digit from the bigger one (or did not trade), 1 point for 25.

Question 6: Missing numbers (2 points)

- a. $90 - 46 = 44$. 44
b. $29 + 38 = 67$. 67

Scoring: 1 point for each correct missing number.

Question 7: Pages left (2 points)

- a. $100 - 64$ (the whole is 100 pages and 64 pages are read).
b. Think of 100 as 9 tens and 10 ones. Ones: $10 - 4 = 6$. Tens: $9 - 6 = 3$. $100 - 64 = 36$, **so 36 pages**

100 pages	
64	36

64 pages read and 36 pages left.

Check: $36 + 64 = 100$.

Scoring: 1 point for a correct subtraction sentence, 1 point for 36 pages.

Question 8: Baseball cards (3 points)

- a. $29 + 18 = 47$. **47 cards**
b. Ones: 5 is less than 7, so trade 1 ten for 10 ones. Now there are 15 ones and 7 tens. Ones: $15 - 7 = 8$. Tens: $7 - 4 = 3$. $85 - 47 = 38$ **38 cards**
c. $38 + 47 = 85$

Scoring: 1 point for 47, 1 point for 38, 1 point for a correct check such as $38 + 47 = 85$.

Question 9: Why trading works (3 points)

- a. 1 ten is worth 10 ones. Priya traded 1 ten for 10 ones, so the value did not change:
 $40 + 12 = 52$.
- b. Ones: 2 is less than 7, so trade 1 ten for 10 ones. Now there are 12 ones and 4 tens. Ones:
 $12 - 7 = 5$. Tens: $4 - 2 = 2$. $52 - 27 = 25$
- c. $25 + 27 = 52$

Scoring: 1 point for an explanation using 1 ten = 10 ones (or $40 + 12 = 52$), 1 point for 25, 1 point for a correct check.

Total
20 points