

Grade 2 - Subtracting Within 100 - Answer Key

Common Core 2.NBT.B.5, 2.NBT.B.9 · maths-pdf.fr/en/

This **subtract within 100 answers** for 2nd Grade covers subtracting within 100 (Common Core 2.NBT.B.5, 2.NBT.B.9), with a free PDF to print.

Use this answer key to check each problem. Every solution shows the tens and ones, any trade, and the final answer in bold. Read the steps when an answer does not match, and use addition to check.

Grade 2 · Common Core State Standards: **2.NBT.B.5, 2.NBT.B.9**

Subtract within 100 answers: exercises 1 to 10

Exercise 1 - Subtract tens

Think of 68 as 6 tens and 8 ones. Take away 3 tens: 6 tens - 3 tens = 3 tens. The 8 ones stay.

$$68 - 30 = 38$$

38

Exercise 2 - No trade needed

Write 79 as 7 tens, 9 ones.

$$\text{Ones: } 9 - 5 = 4.$$

$$\text{Tens: } 7 - 3 = 4.$$

$$\text{So } 79 - 35 = 44.$$

44

Exercise 3 - Use the blocks

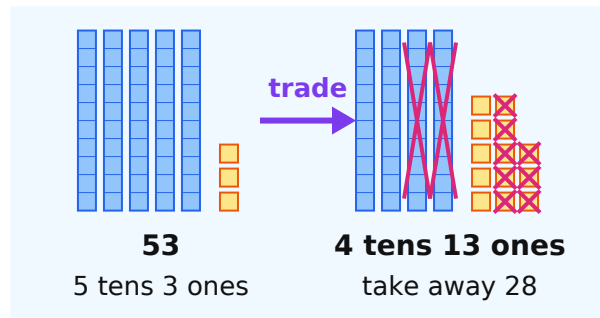
Write 53 as 5 tens, 3 ones.

Not enough ones. Trade 1 ten for 10 ones. Now: 4 tens, 13 ones.

$$\text{Ones: } 13 - 8 = 5.$$

Tens: $4 - 2 = 2$.

So $53 - 28 = 25$.



After the trade: 4 tens and 13 ones. Cross out 2 tens and 8 ones.

25

Exercise 4 - Trade a ten

Write 41 as 4 tens, 1 one.

Not enough ones. Trade 1 ten for 10 ones. Now: 3 tens, 11 ones.

Ones: $11 - 6 = 5$.

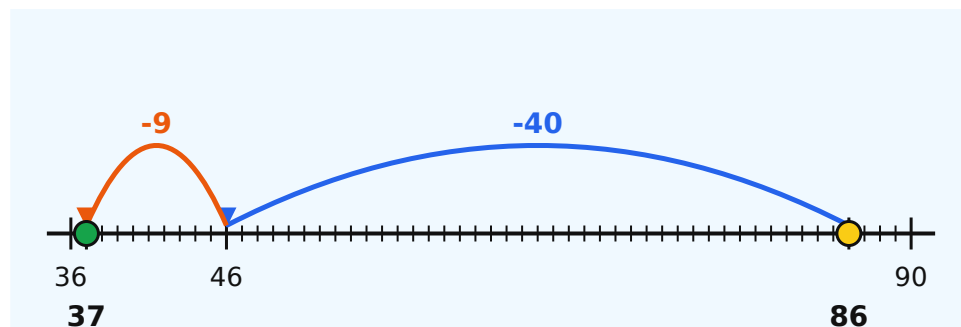
Tens: $3 - 1 = 2$.

So $41 - 16 = 25$.

25

Exercise 5 - Count back

Split 49 into 40 and 9. Go back 40 from 86 to 46. Then go back 9 from 46 to 37.



Back 40, then back 9: $86 - 40 = 46$ and $46 - 9 = 37$.

$$86 - 49 = 37$$

Exercise 6 - Zero ones

Write 70 as 7 tens, 0 ones.

Not enough ones. Trade 1 ten for 10 ones. Now: 6 tens, 10 ones.

$$\text{Ones: } 10 - 4 = 6.$$

$$\text{Tens: } 6 - 3 = 3.$$

$$\text{So } 70 - 34 = 36.$$

36

Exercise 7 - Subtract from a ten

Write 90 as 9 tens, 0 ones.

Not enough ones. Trade 1 ten for 10 ones. Now: 8 tens, 10 ones.

$$\text{Ones: } 10 - 8 = 2.$$

$$\text{Tens: } 8 - 5 = 3.$$

$$\text{So } 90 - 58 = 32.$$

32

Exercise 8 - Missing part

The missing part is the whole minus the known part: $64 - 29$.

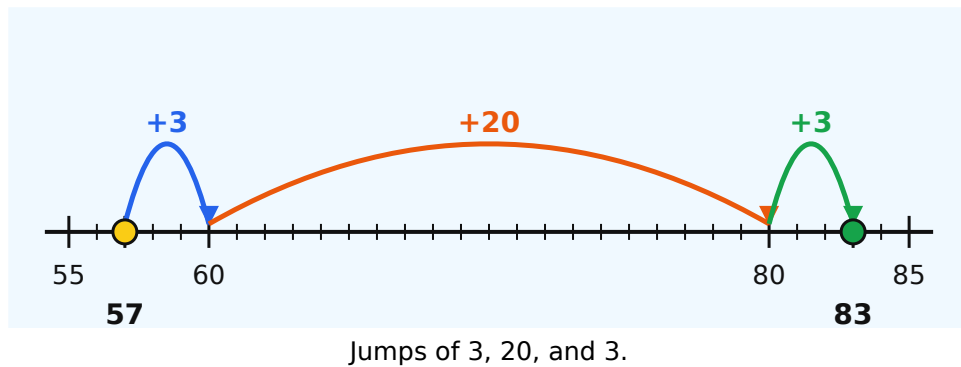
Ones: 4 is less than 9, so trade. 64 is 5 tens and 14 ones. $14 - 9 = 5$ and $5 - 2 = 3$.

$$\text{Check: } 35 + 29 = 64.$$

35

Exercise 9 - Count up

Count up from 57 to 83: first to 60 (3 more), then to 80 (20 more), then to 83 (3 more).



$$3 + 20 + 3 = 26$$

$$83 - 57 = 26$$

Exercise 10 - Check with addition

Ones: 2 is less than 8, so trade. 62 is 5 tens and 12 ones. $12 - 8 = 4$ and $5 - 3 = 2$. So the difference is 24.

Check: $24 + 38 = 62$. It matches.

24

Exercises 11 and up

Exercise 11 - Compare differences

$92 - 47 = 45$. Trade 1 ten: 8 tens 12 ones, so $12 - 7 = 5$ and $8 - 4 = 4$.

$81 - 39 = 42$. Trade 1 ten: 7 tens 11 ones, so $11 - 9 = 2$ and $7 - 3 = 4$.

45 is greater than 42 by $45 - 42 = 3$.

$92 - 47$ is greater, by 3

Exercise 12 - Find the error

Maya took the smaller digit from the larger digit in each place: $5 - 1 = 4$ and $7 - 4 = 3$. But 1 one is not enough to take away 5 ones, so she must trade a ten.

Correct work: 71 is 6 tens and 11 ones. $11 - 5 = 6$ and $6 - 4 = 2$.

Check: $26 + 45 = 71$.

Exercise 13 - Blocks for 95

Write 95 as 9 tens, 5 ones.

Not enough ones. Trade 1 ten for 10 ones. Now: 8 tens, 15 ones.

Ones: $15 - 8 = 7$.

Tens: $8 - 6 = 2$.

So $95 - 68 = 27$.

27

Exercise 14 - Explain the trade

73 is 7 tens and 3 ones. After the trade it is 6 tens and 13 ones.

$13 - 6 = 7$ ones and $6 - 4 = 2$ tens.

27

Exercise 15 - Take away a little extra

Taking away 20 removes 1 more than taking away 19. So the answer is 1 too small, and adding 1 puts it right.

$78 - 20 = 58$ and $58 + 1 = 59$.

59

Exercise 16 - Add to subtract

Adding to 37 until you reach 52 finds the gap between them, and the gap is $52 - 37$.

37 to 40 is 3, and 40 to 52 is 12. $3 + 12 = 15$.

Check: $37 + 15 = 52$.

15

Exercise 17 - Sticker book

Subtract: $84 - 37$.

84 is 7 tens and 14 ones. $14 - 7 = 7$ and $7 - 3 = 4$.

Jamal has 47 stickers.

Exercise 18 - Apple stand

Find the missing part: $96 - 58$.

96 is 8 tens and 16 ones. $16 - 8 = 8$ and $8 - 5 = 3$.

Check: $38 + 58 = 96$.

38 apples are left.

Exercise 19 - Ball game

Find $72 - 29$. Not enough ones, so trade 1 ten: 72 is 6 tens and 12 ones.

$12 - 9 = 3$ and $6 - 2 = 4$.

43 fans are still at the game.

Exercise 20 - Bead bracelets

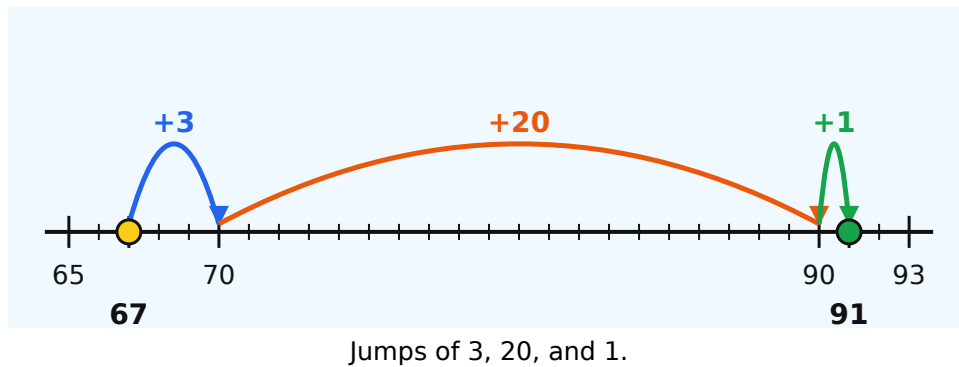
First: $65 - 28$. Trade 1 ten: 5 tens and 15 ones. $15 - 8 = 7$ and $5 - 2 = 3$, so 37 beads are left.

Next: $37 - 19$. Trade 1 ten: 2 tens and 17 ones. $17 - 9 = 8$ and $2 - 1 = 1$, so 18 beads are left.

18 beads

Exercise 21 - Pages read

Find the gap between 67 and 91 by counting up: 67 to 70 is 3, 70 to 90 is 20, and 90 to 91 is 1.



$$3+20+1=24$$

Diego read 24 more pages.

Exercise 22 - Cookie sale

95−48: 95 is 8 tens and 15 ones. 15−8=7 and 8−4=4.

Check: 47+48=95.

47 cookies are left.

Key facts behind this subtract within 100 answers

Key facts

- Trade 1 ten for 10 ones when the ones on top are too few.
- The difference is the answer to a subtraction problem.
- Counting back and counting up both find the same difference.
- Check subtraction with addition: difference + smaller number = whole.
- A bar model shows a whole and two parts.

How to use this subtract within 100 answers

Cover each solution, solve the exercise again, then uncover it and compare every line. If your answer differs, find the first step that changed and redo the exercise from there.

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