

Grade 2 · Subtracting Within 100 · Worksheet Answer Key

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

Here are full worked answers for all 22 problems. Each answer shows the trade of a ten when one is needed. Each final answer is in bold. Read the steps with your child, and check each answer by adding back.

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

Problem 1: Subtract tens

Subtract the tens. The ones stay the same.

- a. $80 - 30 = 50$: 8 tens - 3 tens = 5 tens, and the ones stay 0. **50**
- b. $95 - 40 = 55$: 9 tens - 4 tens = 5 tens, and the ones stay 5. **55**
- c. $67 - 20 = 47$: 6 tens - 2 tens = 4 tens, and the ones stay 7. **47**
- d. $74 - 50 = 24$: 7 tens - 5 tens = 2 tens, and the ones stay 4. **24**

Problem 2: Blocks without trading

The X marks 2 tens and 5 ones, which is 25. Count what is not crossed out: 2 tens and 3 ones.
 $48 - 25 = 23$. **23 blocks**

Problem 3: Subtract ones

Subtract the ones. The tens stay the same.

- a. $56 - 3 = 53$: 6 - 3 = 3 ones, and the tens stay 5. **53**
- b. $89 - 7 = 82$: 9 - 7 = 2 ones, and the tens stay 8. **82**
- c. $74 - 4 = 70$: 4 - 4 = 0 ones, and the tens stay 7. **70**
- d. $38 - 8 = 30$: 8 - 8 = 0 ones, and the tens stay 3. **30**

Problem 4: No trade needed

- a. Ones: $6 - 2 = 4$. Tens: $8 - 5 = 3$. $86 - 52 = 34$
- b. Ones: $7 - 5 = 2$. Tens: $9 - 6 = 3$. $97 - 65 = 32$
- c. Ones: $9 - 7 = 2$. Tens: $3 - 1 = 2$. $39 - 17 = 22$
- d. Ones: $4 - 3 = 1$. Tens: $7 - 3 = 4$. $74 - 33 = 41$

Problem 5: Trade a ten

Trade 1 ten: 41 is 3 tens and 11 ones. Take away 1 ten and 8 ones. $11 - 8 = 3$ ones and $3 - 1 = 2$ tens.



41 becomes 3 tens and 11 ones. Cross out 18: 1 ten and 8 ones. Left: 2 tens and 3 ones.

$$41 - 18 = 23$$

Problem 6: Regroup the tens

- a. 4 tens is 40. $40 + 12 = 52$. 12
- b. 5 tens is 50. $50 + 13 = 63$. 13
- c. 7 tens is 70. $70 + 10 = 80$. 10
- d. 6 tens is 60. $60 + 11 = 71$. 6

Problem 7: Column subtraction

Ones: 3 is less than 7, so trade. The 6 tens becomes 5 tens, and the 3 ones becomes 13 ones. $13 - 7 = 6$ and $5 - 2 = 3$.

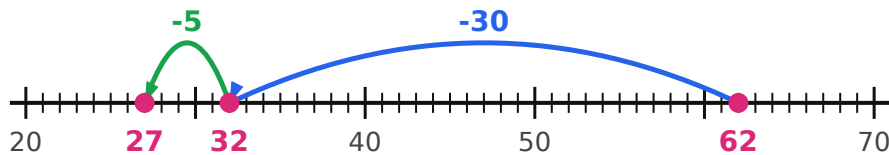
	T	O
	5	13
	~~6~~	~~3~~
−	2	7
	3	6

Trade 1 ten for 10 ones, then subtract.

$$63 - 27 = 36$$

Problem 8: Jumps back

$62 - 30 = 32$. Then $32 - 5 = 27$. She jumped back 35 in all, because $30 + 5 = 35$.



The jumps end at 27.

She stops at 27. The problem is $62 - 35 = 27$.

Problem 9: Count up to subtract

Add the jumps: $3 + 20 + 1 = 24$. The gap from 67 to 91 is 24.

$$91 - 67 = 24$$

Problem 10: Trade then subtract

- Ones: 3 is less than 6, so trade 1 ten for 10 ones. Now there are 13 ones and 7 tens. Ones: $13 - 6 = 7$. Tens: $7 - 4 = 3$. $83 - 46 = 37$
- Ones: 0 is less than 8, so trade 1 ten for 10 ones. Now there are 10 ones and 6 tens. Ones: $10 - 8 = 2$. Tens: $6 - 3 = 3$. $70 - 38 = 32$
- Ones: 5 is less than 9, so trade 1 ten for 10 ones. Now there are 15 ones and 4 tens. Ones: $15 - 9 = 6$. Tens: $4 - 2 = 2$. $55 - 29 = 26$
- Ones: 2 is less than 7, so trade 1 ten for 10 ones. Now there are 12 ones and 8 tens. Ones: $12 - 7 = 5$. Tens: $8 - 5 = 3$. $92 - 57 = 35$

Problem 11: Zero in the ones

- Ones: 0 is less than 7, so trade 1 ten for 10 ones. Now there are 10 ones and 5 tens. Ones: $10 - 7 = 3$. Tens: $5 - 2 = 3$. $60 - 27 = 33$
- Ones: 0 is less than 5, so trade 1 ten for 10 ones. Now there are 10 ones and 7 tens. Ones: $10 - 5 = 5$. Tens: $7 - 4 = 3$. $80 - 45 = 35$
- Ones: 0 is less than 8, so trade 1 ten for 10 ones. Now there are 10 ones and 8 tens. Ones: $10 - 8 = 2$. Tens: $8 - 6 = 2$. $90 - 68 = 22$
- Ones: 0 is less than 9, so trade 1 ten for 10 ones. Now there are 10 ones and 4 tens. Ones: $10 - 9 = 1$. Tens: $4 - 1 = 3$. $50 - 19 = 31$

Problem 12: Check with addition

- Ones: 4 is less than 8, so trade 1 ten for 10 ones. Now there are 14 ones and 6 tens. Ones: $14 - 8 = 6$. Tens: $6 - 3 = 3$. $74 - 38 = 36$ Check: $36 + 38 = 74$.
- Ones: 1 is less than 5, so trade 1 ten for 10 ones. Now there are 11 ones and 8 tens. Ones: $11 - 5 = 6$. Tens: $8 - 4 = 4$. $91 - 45 = 46$ Check: $46 + 45 = 91$.

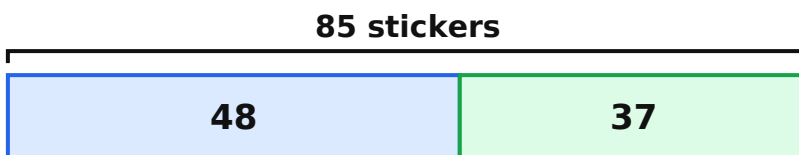
Problem 13: Find the mistake

Leo took the smaller digit from the bigger digit in the ones column. But the top number is 52, so the ones are 2, not 7. He must trade 1 ten for 10 ones. 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: $4 - 2 = 2$. $52 - 27 = 25$

Check: $25 + 27 = 52$.

Problem 14: Missing part

The whole is 85 and one part is 48. Ones: 5 is less than 8, so trade 1 ten for 10 ones. Now there are 15 ones and 7 tens. Ones: $15 - 8 = 7$. Tens: $7 - 4 = 3$. $85 - 48 = 37$



The missing part is 37.

Check: $37 + 48 = 85$.

Problem 15: Missing number

- a. Add back: $39 + 24 = 63$. 63
- b. The missing number is the difference: $82 - 47 = 35$. 35
- c. Subtract: $71 - 38 = 33$. 33

Problem 16: Compare differences

Ones: 0 is less than 4, so trade 1 ten for 10 ones. Now there are 10 ones and 8 tens. Ones: $10 - 4 = 6$. Tens: $8 - 3 = 5$. $90 - 34 = 56$

Ones: 0 is less than 9, so trade 1 ten for 10 ones. Now there are 10 ones and 7 tens. Ones: $10 - 9 = 1$. Tens: $7 - 1 = 6$. $80 - 19 = 61$

$61 > 56$, so $80 - 19$ is greater.

Problem 17: Sticker swap

Ones: 4 is less than 8, so trade 1 ten for 10 ones. Now there are 14 ones and 5 tens. Ones: $14 - 8 = 6$. Tens: $5 - 2 = 3$. $64 - 28 = 36$

Check: $36 + 28 = 64$. **Maya has 36 stickers left.**

Problem 18: Library books

Ones: 1 is less than 7, so trade 1 ten for 10 ones. Now there are 11 ones and 8 tens. Ones: $11 - 7 = 4$. Tens: $8 - 5 = 3$. $91 - 57 = 34$

Check: $34 + 57 = 91$. **34 books are left.**

Problem 19: Team points

Find the gap between 75 and 49. Ones: 5 is less than 9, so trade 1 ten for 10 ones. Now there are 15 ones and 6 tens. Ones: $15 - 9 = 6$. Tens: $6 - 4 = 2$. $75 - 49 = 26$

Check: $26 + 49 = 75$. **The Tigers scored 26 more points.**

Problem 20: Bake sale

Step 1: $100 - 47 = 53$. (Think of 100 as 9 tens and 10 ones. Ones: $10 - 7 = 3$. Tens: $9 - 4 = 5$.)

Step 2: Ones: 3 is less than 8, so trade 1 ten for 10 ones. Now there are 13 ones and 4 tens. Ones: $13 - 8 = 5$. Tens: $4 - 3 = 1$. $53 - 38 = 15$

Check: $15 + 38 + 47 = 100$. **15 cookies are left.**

Problem 21: Farmers market

Step 1: Ones: 6 is less than 9, so trade 1 ten for 10 ones. Now there are 16 ones and 7 tens. Ones: $16 - 9 = 7$. Tens: $7 - 3 = 4$. $86 - 39 = 47$

Step 2: Ones: $7 - 5 = 2$. Tens: $4 - 2 = 2$. $47 - 25 = 22$

Check: $22 + 25 + 39 = 86$. **Diego has 22 apples left.**

Problem 22: Explain the strategy

Jamal took away 40, but the problem says to take away only 38. He took away 2 too many. So he gives the 2 back: $41 + 2 = 43$.

Check with addition: $43 + 38 = 81$. **Yes, 43 is correct.**