

Place Value to 120: practice solutions, Grade 1 – download the PDF

Written solutions to the chapter problems. Check each step, then correct yourself.

1 Count on by ones



Count on one at a time: after 49 comes 50, then 51, then 52.

The missing numbers are **50, 51, 52**.

2 Name the blocks



There are 2 rods, so 2 tens. There are 5 cubes, so 5 ones.

$20 + 5 = 25$. The blocks show **25**.

3 Tens and ones



a. $30 + 6 = 36$

b. $50 + 0 = 50$

c. $80 + 2 = 82$

The numbers are **36, 50, and 82**.

4 How many tens?



- a. 61 has **6 tens** and **1 one**.
- b. 40 has **4 tens** and **0 ones**.
- c. 78 has **7 tens** and **8 ones**.

5 Greater, less, or equal



- a. 2 tens is less than 3 tens, so **23 < 32**.
- b. Both numbers are the same, so **45 = 45**.
- c. 6 tens is more than 5 tens, so **60 > 59**.

6 Count by tens



Add one ten each time: 10, 20, **30, 40**, 50, 60.

7 Ten more



Add one to the tens digit and keep the ones digit.

- a. 34 becomes **44**.
- b. 52 becomes **62**.
- c. 70 becomes **80**.

8 Bundles of craft sticks



- a. 42 is 4 tens and 2 ones. She makes **4 bundles** and has **2 loose sticks**.
- b. **42 + 8 = 50**. Now she has **5 bundles** and **0 loose sticks**, because the 2 loose sticks and the 8 new sticks make one more ten.

9 Move on the chart



- a. One row down is ten more: $43 + 10 = 53$. The number is **53**.
- b. One row up is ten less: $43 - 10 = 33$. The number is **33**.

10 Ten less



- a. 8 tens become 7 tens, so 85 becomes **75**.
- b. Ten less than 100 is **90**.
- c. 12 tens become 11 tens, so 120 becomes **110**.

11 Fill the missing digit



- a. 59 is 5 tens and 9 ones. The missing digit is **5**.
- b. 74 is 7 tens and 4 ones. The missing digit is **4**.
- c. 38 is 3 tens and 8 ones. The missing digit is **8**.

12 Order the numbers



Compare the tens: 4 tens, 5 tens, 8 tens, 9 tens.

The order from least to greatest is **49, 58, 85, 94**.

13 Read the number line



- a. A is at **104**, B is at **111**, and C is at **118**.
- b. B is 1 away from 110. A is 6 away and C is 8 away. Point **B** is closest to 110.

14 Boxes of crayons



6 boxes of ten is 6 tens, or 60. Add the 4 loose crayons: $60 + 4 = 64$.

Leo has **64** crayons.

15 True or false



a. **False.** 5 tens is less than 8 tens, so $58 < 85$.

b. **False.** 7 tens and 3 ones is $70 + 3 = 73$, not 37.

c. **True.** 99 is 9 tens and 9 ones. Ten more is 10 tens and 9 ones, and that is 109.

16 Mystery numbers



a. My tens digit is 6, so my ones digit is $6 + 3 = 9$. The number is **69**.

b. My tens digit is 6, so my ones digit must be $7 - 6 = 1$. The number is **61**.

17 Which digits fit?



The tens are the same, so the ones digit must be greater than 4.

The digits are **5, 6, 7, 8, and 9**, which make 65, 66, 67, 68, and 69.

18 Count past one hundred



The next nine numbers are **98, 99, 100, 101, 102, 103, 104, 105, 106**.

The number right after 109 is **110**. The number right before 120 is **119**.

19 Hundreds, tens, and ones



Ten tens make 100, so after 99 we keep adding tens.

- a. 105 is **10 tens and 5 ones**.
- b. 114 is **11 tens and 4 ones**.
- c. 120 is **12 tens and 0 ones**.

20 Muffins for sale



Ten less than 64 is 54. Ten less than 54 is 44. After lunch the bakery has **44 muffins**.

Ten more than 44 is 54. Now the bakery has **54 muffins**.

21 Find the mistake



Sam is **not right**. He only looked at the ones digits. He must compare the tens first.

39 has 3 tens and 41 has 4 tens. Since 3 tens is less than 4 tens, **$39 < 41$** .



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