

Comparing Numbers: practice solutions, Kindergarten – download the PDF

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

1 Match the balls and blocks



Four balls have partners, and the other 2 blocks have no partner.

Answer: the blocks have more. Two blocks have no partner.

2 Cups and plates



Count up: 3, 4, 5. The number 3 comes before 5, so 3 is less than 5.

Answer: there are fewer cups.

3 Which is greater?



Counting up from 3 we say 4, 5, 6, 7, 8. We reach 8 after 3, so 8 is greater.

Answer: 8 is greater than 3, so $8 > 3$.

4 Pick the word



- a. The two numbers are the same: 5 is **equal to** 5, $5 = 5$.
- b. 2 comes before 9: 2 is **less than** 9, $2 < 9$.
- c. 7 comes after 4: 7 is **greater than** 4, $7 > 4$.

5 True or false?



- a. **True.** 4 comes before 6.
- b. **False.** 9 and 8 are different; 9 is greater than 8.
- c. **True.** 10 is the last number of our line and 1 is the first.

6 Look at the number line



P is at 2 and Q is at 7. Point Q is farther to the right.

Answer: 7 is greater than 2, so $7 > 2$.

7 Ten or six?



Count up from 6: 7, 8, 9, 10. We reach 10 after 6.

Answer: 10 is greater, $10 > 6$.

8 Fill in the symbol



- a. 6 is before 8: $6 < 8$.
- b. 9 is after 3: $9 > 3$.
- c. The numbers are the same: $5 = 5$.
- d. 1 is the first number and 10 is the last: $1 < 10$.

9

Sticker swap

Count from 7 to 9: 8, 9. That is 2 steps, so the difference is 2. Since 9 is greater than 7, Leo has more.

Answer: Leo has more, he has 2 more stickers than Maya.

10

Birds on the roof

Compare 8 and 5: $5 < 8$, so the roof has fewer birds. From 5 up to 8 we count 6, 7, 8, which is 3 steps.

Answer: there are fewer birds on the roof, 3 fewer.

11

Big or many?

We compare 4 and 6, not the size. Four comes before six, so $4 < 6$.

Answer: Ina has more objects. The size does not change how many there are.

12

Numbers greater than 7

We look at the numbers after 7 on the number line: 8, 9, 10.

Answer: 8, 9 and 10.

13

Order three numbers

The least is 4. Then 6. The greatest is 9.

Answer: 4, 6, 9, and we can write $4 < 6 < 9$.

14 Make the groups equal



After matching, 3 oranges have no partner. Count from 5 to 8: 6, 7, 8, that is 3 more apples.

Answer: we add 3 apples. Then $5 + 3 = 8$ and both bowls are equal.

15 Order four numbers



a. The least is 3, then 5, then 8, and 10 is the greatest: **3, 5, 8, 10**.

b. We reverse the list: **10, 8, 5, 3**.

16 Mystery number



Numbers greater than 6 and less than 9 are 7 and 8. The clue says it is not 7.

Answer: my number is 8, because $6 < 8 < 9$.

17 Three baskets



a. The greatest number is 9: **basket C**.

b. The least number is 5: **basket B**.

c. $5 < 7 < 9$, so the order is **B, A, C**.

18 Find the mistake



No. We compare how many, not how the number looks. Counting up, 4 comes before 7, so 4 is less than 7.

Answer: Sam made a mistake; the true sentence is $4 < 7$ (or $7 > 4$).

19 **Same or different?**



- a. Ava and Ben both have 6: $6 = 6$.
- b. Ben has 6 and Cy has 8: $6 < 8$.
- c. 8 is the greatest, so **Cy** has the most.

20 **Tower race**



- a. Towers B and D both have 7 blocks: $7 = 7$.
- b. Tower A has only 3 blocks, the least.
- c. The heights are 3, 5, 7, 7: **3, 5, 7, 7**.



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