

Grade 1 - The Equal Sign and Word Problems - Answer Key

Common Core 1.OA.A.2, 1.OA.D.7, 1.OA.D.8 · maths-pdf.fr/en/

This **equations word problems answers** for 1st Grade covers the equal sign and word problems (Common Core 1.OA.A.2, 1.OA.D.7, 1.OA.D.8), with a free PDF to print.

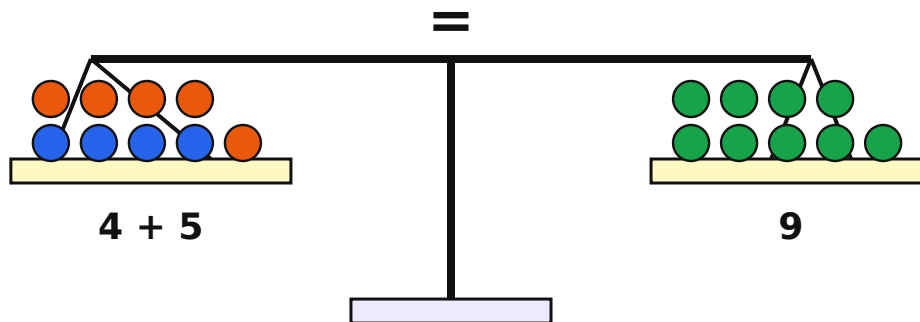
Every answer shows the steps in short words and the final answer in bold. Read each one and compare it with your own work. If an answer is different, count again with the pictures.

Grade 1 · Common Core State Standards: **1.OA.A.2, 1.OA.D.7, 1.OA.D.8**

Equations word problems answers: exercises 1 to 10

Exercise 1 - Read the balance

The left pan has 4 + 5 counters. The right pan has 9. $4+5=9$



Both sides weigh the same: $4 + 5 = 9$.

Exercise 2 - Find the result

- a. $5+2=7$
- b. $9-4=5$
- c. $6+6=12$

Exercise 3 - True or false

- a. **True:** both sides are 8.
- b. **True:** $5 + 3$ is 8.
- c. **False:** 6 is not 7.

Exercise 4 - Check each sentence

- a. **True:** $4 + 3 = 7$.
- b. **False:** $9 - 2 = 7$, not 6.
- c. **True:** $5 + 5 = 10$.
- d. **False:** $8 + 1 = 9$, not 10.

Exercise 5 - Compare two sides

Left: $6 + 2 = 8$. Right: $9 - 1 = 8$. Both are 8. **True**

Left side



Right side



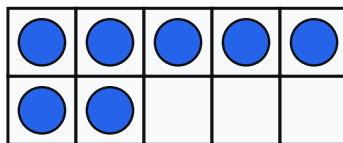
Both rows show 8.

Exercise 6 - Make it true

- a. $7 = 2 + 5$
- b. ? is **5** because $9 - 4 = 5$.
- c. $3 + 4 = 5 + 2$ because $7 = 5 + 2$.

Exercise 7 - Ten frame

To fill 10 you need 3 more: $7 + 3 = 10$. To reach 12 you need 5 more: $7 + 5 = 12$.



3 empty boxes

Exercise 8 - Missing first number

- a. **5** because $5 + 4 = 9$.
- b. **7** because $7 + 6 = 13$.

c. **7** because $7 + 8 = 15$.

Exercise 9 - Missing in a take away

a. **5**: $12 - 5 = 7$.

b. **6**: $15 - 6 = 9$.

c. **7**: $10 - 7 = 3$.

Exercise 10 - Missing start number

a. **9**: $9 - 3 = 6$.

b. **13**: $13 - 5 = 8$.

c. **14**: $14 - 4 = 10$.

Exercises 11 and up

Exercise 11 - Answer on the left

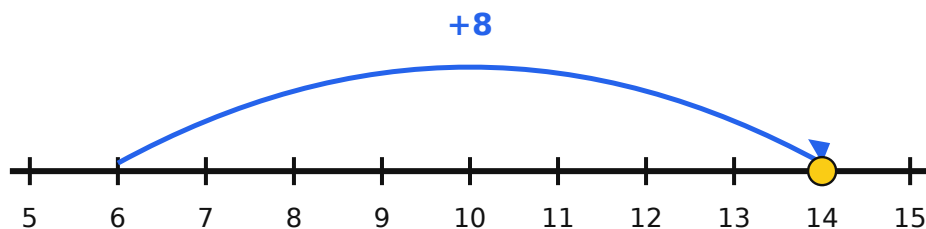
a. **7**: $12 = 7 + 5$.

b. **5**: $14 = 9 + 5$.

c. **4**: $11 = 15 - 4$.

Exercise 12 - Number line hop

Count from 6 to 14. The hop is 8. $6+8=14$



The hop is 8.

Exercise 13 - Add three numbers

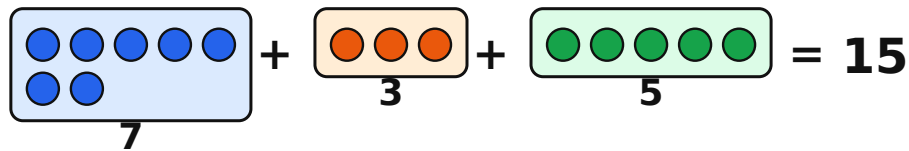
a. $3+4+2=$ **9**

b. $5+5+6=$ **16** ($10 + 6$)

c. $2+7+3=$ **12** ($7 + 3 = 10$, then $10 + 2$)

Exercise 14 - Make ten first

$7+3=10$, then $10+5=15$. **15 in all**



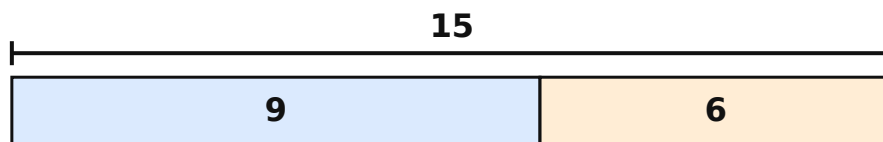
$7 + 3 = 10$, then add 5.

Exercise 15 - Balloons at the party

$5+4+6=15$. **Lily has 15 balloons.**

Exercise 16 - Noah's stickers

Write $9+?=15$. Since $15-9=6$, **his aunt gave him 6 stickers.**



The missing part is 6.

Exercise 17 - Grapes after lunch

Write $17-?=9$. Since $17-8=9$, **Maya ate 8 grapes.**

Exercise 18 - Ducks in the pond

Write $?-6=8$. Since $14-6=8$, **there were 14 ducks at first.**

Exercise 19 - Diego's points

$7+6+4=17$. Make 10 with $6 + 4$, then add 7. **Diego scored 17 points.**

Exercise 20 - Who is right?

Sofia: $5 + 4 = 9$ and $6 + 3 = 9$, so **Sofia is right**. Jamal: $6 + 4 = 10$, not 9, so it is false. Fix it: $5+4=6+3$.

Key facts behind this equations word problems answers

Key facts

- The equal sign $=$ means is the same amount as.
- An equation is true when both sides have the same value.
- The unknown $?$ can be the first number, the second number, or the answer.
- To add three numbers, look for two that make 10 and add them first.
- A word problem becomes an equation with $?$ for the missing number.

How to use this equations word problems 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.