

Grade 1 · The Equal Sign and Word Problems · Quiz

Common Core 1.OA.A.2, 1.OA.D.7, 1.OA.D.8 · mathovore.fr

Name: _____ Date: ____/____/____ Score: _____

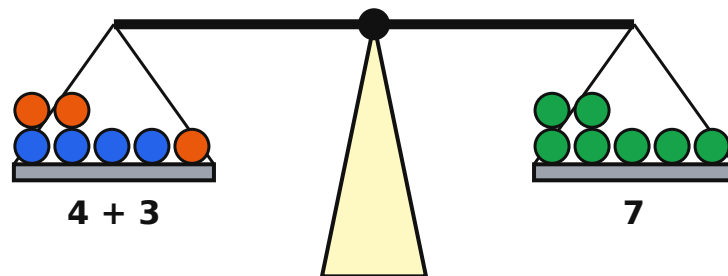
Answer 10 multiple-choice questions on the equal sign, true and false equations, missing numbers and adding three numbers. Pick the one correct choice for each question. Use counters or draw a picture if it helps.

Grade 1 Common Core: 1.OA.A.2 · 1.OA.D.7 · 1.OA.D.8

Questions

Question 1

Which equation does the scale show?



A level scale.

- A. $4+3=8$
- B. $4+3=7$
- C. $4+7=3$
- D. $7+3=4$

Question 2

Which equation is true?

- A. $6+2=5+4$
- B. $6+2=5+3$
- C. $7-2=3+3$
- D. $9=4+4$

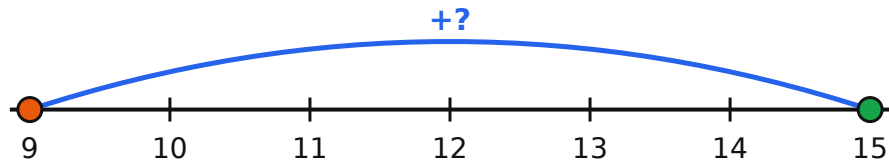
Question 3

Which equation is false?

- A. $5+5=10$
- B. $9-4=2+3$
- C. $8=10-3$
- D. $7=7$

Question 4

What number is missing in $9+?=15$?



Start at 9 and jump to 15.

- A. 7
- B. 6
- C. 5
- D. 24

Question 5

What number is missing in $13-?=8$?

- A. 5
- B. 21
- C. 4
- D. 6

Question 6

What number is missing in $?+8=16$?

- A. 7
- B. 9
- C. 8
- D. 24

Question 7

How many counters are there in all?



Three groups of counters.

- A. 15
- B. 14
- C. 10
- D. 16

Question 8

What is $3+8+7$?

- A. 17
- B. 19
- C. 10
- D. 18

Question 9

Liam has 5 red blocks, 2 blue blocks, and 8 green blocks. How many blocks does he have in all?

- A. 13
- B. 14
- C. 16
- D. 15

Question 10

What number makes this equation true? $7+5=?+6$

- A. 6
- B. 12
- C. 13
- D. 5

Answer key

1. **B** - The left pan holds 4 and 3, and the right pan holds 7. The scale is level, so $4+3=7$. The other choices change a number.
2. **B** - Both sides of $6+2=5+3$ equal 8. In the others the sides are 8 and 9, 5 and 6, or 9 and 8.
3. **C** - Since $10-3=7$, the side 8 does not match. The other three equations have two equal sides.
4. **B** - Count from 9 to 15: that is 6 steps. Adding 9 and 15 to get 24 is a common mistake.
5. **A** - Think: 8 plus what makes 13? $8+5=13$. Adding 13 and 8 gives 21, which is wrong.
6. **C** - $8+8=16$, so 8 is missing. Adding the two numbers gives 24, which is not the missing part.
7. **A** - $4+6=10$, then $10+5=15$. Forgetting the last group gives 10.
8. **D** - $3+7=10$, then $10+8=18$. Adding only 3 and 7 gives 10.
9. **D** - $5+2=7$, then $7+8=15$. Miscounting one of the groups gives 13, 14, or 16.
10. **A** - The left side is 12. Since $6+6=12$, the missing number is 6. Choosing 12 is a mistake: 12 is the value of the side, not the missing addend.

Remember:

- The equal sign $=$ means both sides have the same value.
- Find the value of each side to decide if an equation is true or false.
- The missing number can be in any spot: $8 + ? = 13$, $? + 5 = 11$, or $14 - ? = 9$.
- To add three numbers, add two that make 10 first.