

Grade 2 · Fluency Within 20, Even and Odd Numbers · Quiz

Common Core 2.OA.B.2, 2.OA.C.3 · mathovore.fr

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

Try these 10 multiple choice questions on facts within 20 and on even and odd numbers.
Pick the one correct answer, then read the explanation to learn from any mistake.

Grade 2 Common Core: 2.OA.B.2 · 2.OA.C.3

Questions

Question 1

What is $8+7$?

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

Question 2

What sum do the ten frames show?



Seven dots and five dots.

- A. 11
- B. 12
- C. 13
- D. 10

Question 3

What is $16-9$?

- A. 8

- B. 6
- C. 7
- D. 25

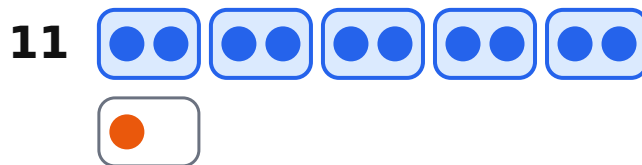
Question 4

Which number is even?

- A. 13
- B. 15
- C. 19
- D. 18

Question 5

Look at the pairs of dots.



Eleven dots in pairs with one dot alone.

Is 11 even or odd?

- A. Even, because it has 5 pairs
- B. Even, because it ends in 1
- C. Odd, because 1 dot is left over
- D. Odd, because it has 6 pairs

Question 6

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

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

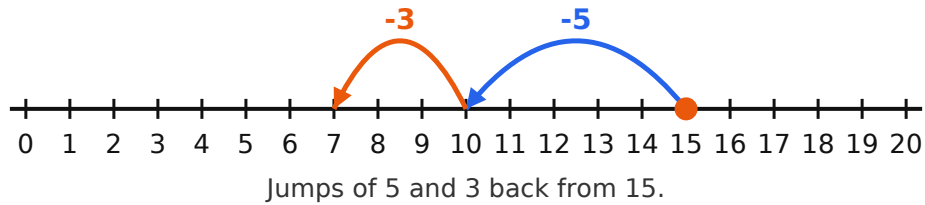
Question 7

$7 + 7 = 14$. Use this fact to find $7 + 8$.

- A. 15
- B. 16
- C. 14
- D. 21

Question 8

Which subtraction fact does the number line show?



- A. $15 - 7 = 8$
- B. $15 + 8 = 23$
- C. $15 - 8 = 7$
- D. $10 - 7 = 3$

Question 9

Which equation writes 12 as a sum of two equal addends?

- A. $6 + 6 = 12$
- B. $5 + 7 = 12$
- C. $4 + 8 = 12$
- D. $3 + 9 = 12$

Question 10

Noah has 14 cards. He gives 6 cards to a friend. How many cards does Noah have left?

- A. 7
- B. 8
- C. 9
- D. 20

Answer key

1. **B** - Make a ten: $8 + 2 = 10$, then $10 + 5 = 15$. Answers 14 and 16 are off by one.
2. **B** - Move 3 dots to fill the left frame to 10, leaving 2: $10 + 2 = 12$.
3. **C** - Since $9 + 7 = 16$, the difference is 7. Adding gives 25, which is the wrong operation.
4. **D** - Only 18 ends in an even digit and splits into $9 + 9$. The other numbers are odd.
5. **C** - There are 5 pairs and 1 dot left over, so 11 is odd. A number is even only when no dot is left over.
6. **D** - Count up from 9 to 15: that is 6. Adding 9 and 15 gives 24, which is wrong.
7. **A** - 8 is one more than 7, so the sum is one more than 14.
8. **C** - The jumps back total $5 + 3 = 8$, so $15 - 8 = 7$.
9. **A** - Only $6 + 6$ uses the same number twice.
10. **B** - $14 - 4 = 10$, then $10 - 2 = 8$. Adding $14 + 6 = 20$ is the wrong operation.

Remember:

- Fluency within 20 means adding and subtracting facts up to 20 quickly with mental strategies.
- Make a ten: $9+6$ becomes $10+5$.
- A double adds the same number twice, and a near double is one more or less.
- Subtraction facts can be solved by thinking of a missing addend.
- An even number makes pairs with none left over, so it is a sum of two equal addends.