

Grade 2 - Fluency Within 20, Even and Odd Numbers - Test

Common Core 2.OA.B.2, 2.OA.C.3 · maths-pdf.fr/en/

Name: _____ Class: _____ Date: ____/____/____

This **fluency even odd test** for 2nd Grade covers fluency within 20, even and odd numbers (Common Core 2.OA.B.2, 2.OA.C.3), with a free PDF to print.

This test has 9 questions worth 20 points in all. Show your thinking when a question asks you to explain. You have 45 minutes. Work on your own and check each answer.

Time and points

About this test

- Grade: Grade 2
- Chapter: Fluency Within 20, Even and Odd Numbers
- Standards: 2.OA.B.2, 2.OA.C.3
- Time: 45 minutes
- Total: 20 points

Fluency even odd test: questions

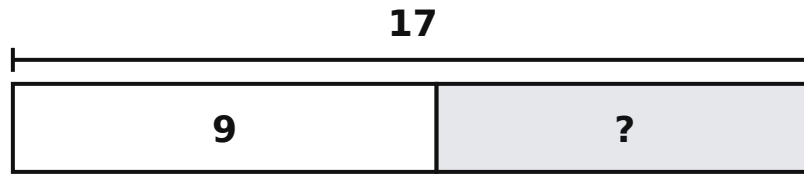
Question 1 - Facts within 20 [4 pts]

Find each sum or difference.

- $7+8$ (1 point)
- $9+7$ (1 point)
- $15-9$ (1 point)
- $13-6$ (1 point)

Question 2 - Missing number [2 pts]

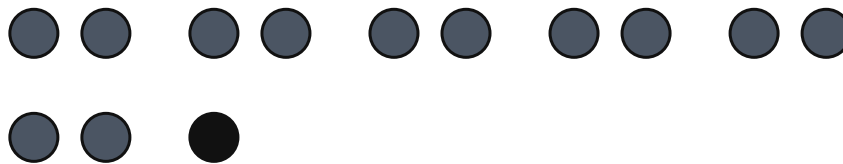
Find each missing number.



Bar model for part a.

- a. $9 + ? = 17$ (1 point)
- b. $17 - 9 = ?$ (1 point)

Question 3 - Dots in rows [2 pts]



Thirteen dots in rows of two.

- a. Is the number of dots even or odd? (1 point)
- b. How many dots have no partner? (1 point)

Question 4 - Two equal groups [2 pts]

Show how to split each even number into two equal groups. Write an addition sentence.

- a. 18 (1 point)
- b. 8 (1 point)

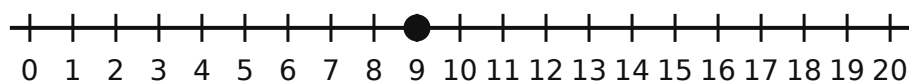
Question 5 - Sort the numbers [2 pts]

Write each number in the correct list: 5, 10, 13, 18, 7, 16.

- a. Even numbers (1 point)
- b. Odd numbers (1 point)

Question 6 - Beads on a string [2 pts]

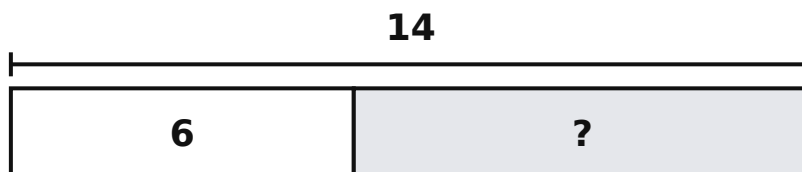
Mei has 9 beads on a string. She adds 6 more beads. How many beads are on the string now?



Number line from 0 to 20 with a dot at 9.

Question 7 - Cookies left [2 pts]

Sofia baked 14 cookies. Her family ate 6 cookies. How many cookies are left?



Fourteen cookies in all.

Question 8 - Marble story [2 pts]

Liam has 7 red marbles and 7 blue marbles.

- How many marbles does Liam have? (1 point)
- He gives 5 marbles to a friend. How many marbles are left? (1 point)

Question 9 - Share with friends [2 pts]

Mei says 13 stickers can be shared equally by 2 friends with none left over. Is Mei right? Explain.

Key facts behind this fluency even odd test

Key facts

- Doubles add a number to itself: $8+8=16$.
- Make a ten by moving dots to fill a ten frame, then add the rest.
- Subtraction is a missing addend: $15-8$ asks $8+?=15$.
- Even numbers end in 0, 2, 4, 6, or 8. Odd numbers end in 1, 3, 5, 7, or 9.
- Every even number up to 20 is a sum of two equal addends.

How to use this fluency even odd test

Time yourself: the test is designed for an average student in 45 minutes. Answer the questions you are sure of first, then come back to the longer ones and check your units.