

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

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

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

This test has 9 questions worth 20 points in all. It covers addition and subtraction within 20 and even and odd numbers. Show your thinking where a question asks you to explain. Take about 30 minutes.

Test information

- **Grade:** Grade 2
- **Chapter:** Fluency Within 20, Even and Odd Numbers
- **Common Core:** 2.OA.B.2, 2.OA.C.3
- **Time:** 30 minutes
- **Total:** 20 points (Question 1: 2 pts; Question 2: 2 pts; Question 3: 2 pts; Question 4: 2 pts; Question 5: 2 pts; Question 6: 2 pts; Question 7: 2 pts; Question 8: 4 pts; Question 9: 2 pts)

Question 1: Adding facts (2 points)

- a. $8+5$ (1 point)
- b. $7+9$ (1 point)

Question 2: Subtracting facts (2 points)

- a. $14-6$ (1 point)
- b. $18-9$ (1 point)

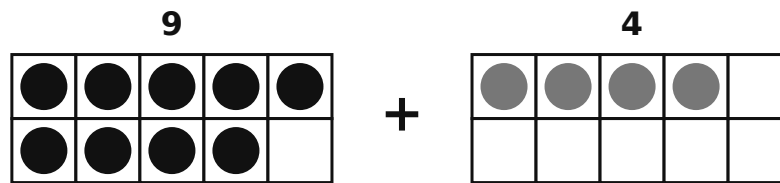
Question 3: Missing numbers (2 points)

Find each missing number.

- a. $7+?=15$ (1 point)
- b. $17-?=9$ (1 point)

Question 4: Ten frames (2 points)

The ten frames show two groups of dots.

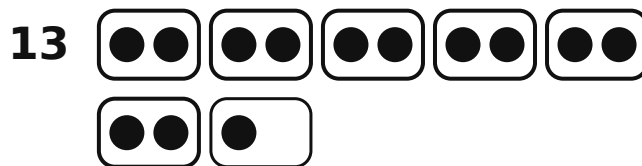


Nine dots and four dots.

- a. Write an addition equation for the picture. (1 point)
- b. Write the sum. (1 point)

Question 5: Pairs of dots (2 points)

Look at the dots in pairs.

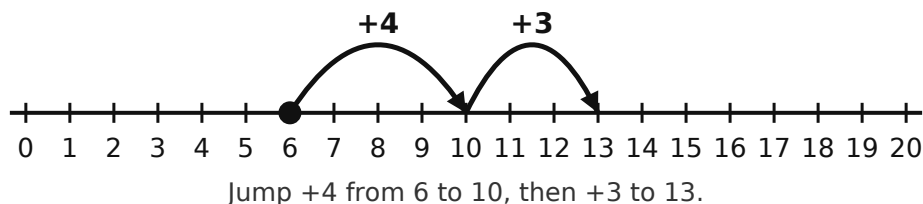


Thirteen dots grouped in pairs.

- a. Is 13 even or odd? Explain using the picture. (1 point)
- b. Write 16 as a sum of two equal addends. (1 point)

Question 6: Number line jumps (2 points)

The number line shows two jumps.



- a. Write the addition equation the jumps show. (1 point)
- b. Write a subtraction fact that starts with 13. (1 point)

Question 7: Equal addends (2 points)

Write each number as a sum of two equal addends.

- a. 12 (1 point)
- b. 18 (1 point)

Question 8: Balloons (4 points)

Priya has 9 red balloons and 8 blue balloons.

- a. How many balloons does she have? (1 point)
- b. Priya pops 6 balloons. How many are left? (1 point)
- c. Is the number of balloons she had at first even or odd? Explain. (1 point)
- d. How many more balloons does she need to have 20 balloons at first? (1 point)

Question 9: Near double reasoning (2 points)

Ethan says that $7+8=15$ because $7+7=14$ and one more. Is Ethan right? Explain.