

Grade 4 - Factors, Multiples, Prime and Composite - Test

Common Core 4.OA.B.4 · maths-pdf.fr/en/

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

This test checks factor pairs, multiples, prime and composite numbers, and last-digit patterns for whole numbers from 1 to 100. It has 9 questions worth 20 points. Allow 45 minutes and no calculator.

About this test

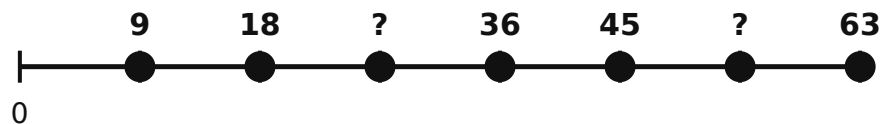
- Grade: Grade 4
- Chapter: Factors, Multiples, Prime and Composite
- Standards: 4.OA.B.4
- Time: 45 minutes
- Total: 20 points

Question 1 - Factor pairs of 40 [2 pts]

Write all the factor pairs of 40.

Question 2 - Missing multiples [2 pts]

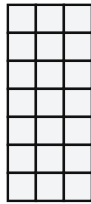
The dots show multiples of 9. Write the two missing numbers.



Multiples of 9.

Question 3 - Array and factors [2 pts]

The array shows tiles.



7 rows of 3

Tiles in rows and columns.

Write a multiplication equation for the array. Then list all the factors of the number of tiles.

Question 4 - Prime or composite [2 pts]

Write prime or composite for each number: (a) 27 (b) 31 (c) 49 (d) 61.

Question 5 - Multiples of 9 [2 pts]

Which of these numbers are multiples of 9: 63, 72, 85, 91, 99?

Question 6 - Is 1 prime? [2 pts]

Mia says, "1 is a prime number." Is Mia correct? Explain.

Question 7 - Number riddles [3 pts]

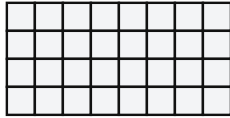
- a. Find a multiple of 8 between 50 and 60. *(1 point)*
- b. Find a prime number between 80 and 90 whose digits add to 11. *(1 point)*
- c. Find an odd composite number between 10 and 20 that is a multiple of 5. *(1 point)*

Question 8 - Divisibility [2 pts]

Without dividing, tell whether 3,845 is divisible by (a) 2 (b) 5 (c) 10.

Question 9 - Desk arrangements [3 pts]

A teacher has 32 desks. One arrangement is shown.



4 rows of 8

4 rows of 8 desks.

- a. List every arrangement that has at least 2 rows and at least 2 desks in each row. Write each as rows x desks. (2 points)
- b. Is 32 prime or composite? Explain. (1 point)