LINEAR EQUATION

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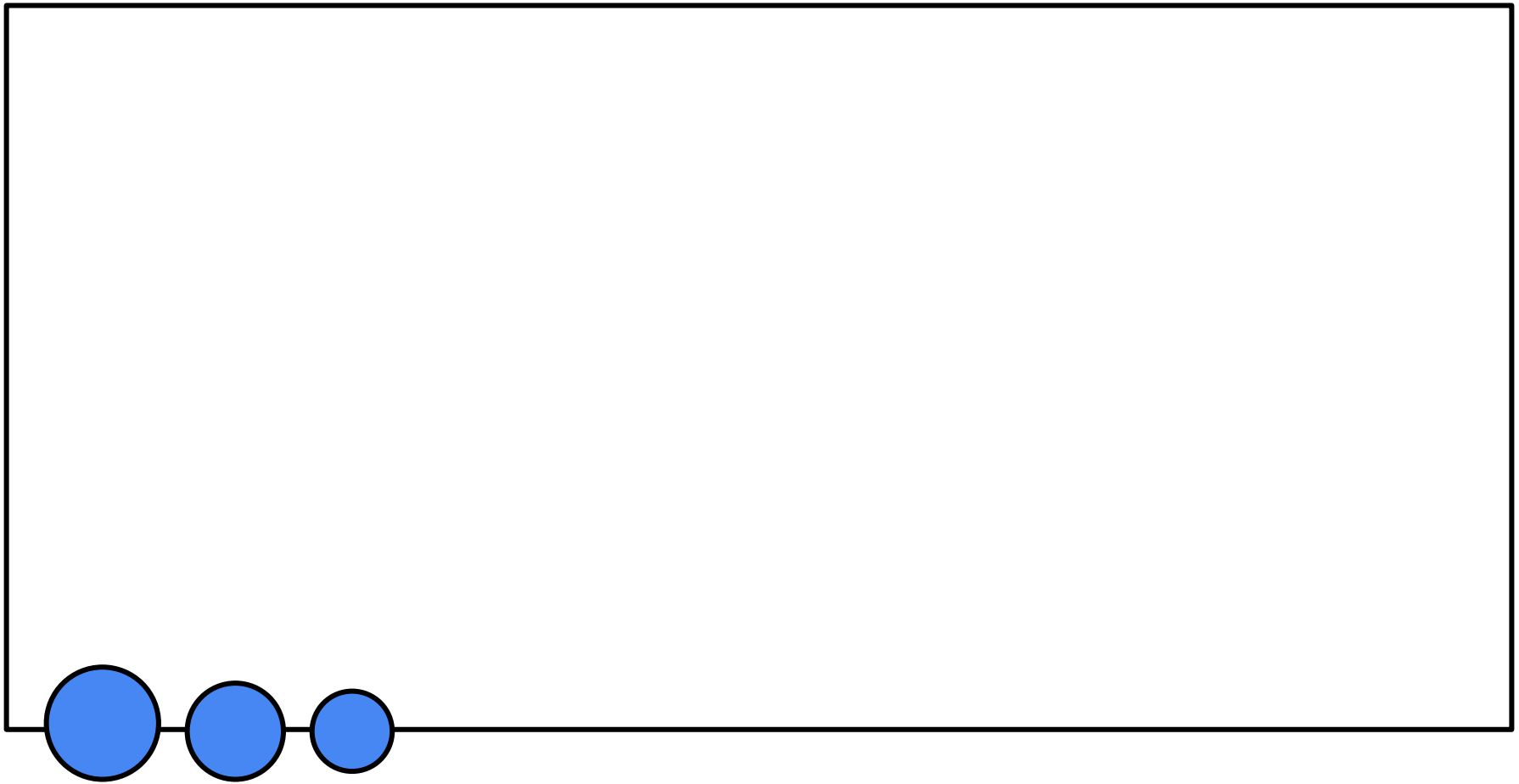

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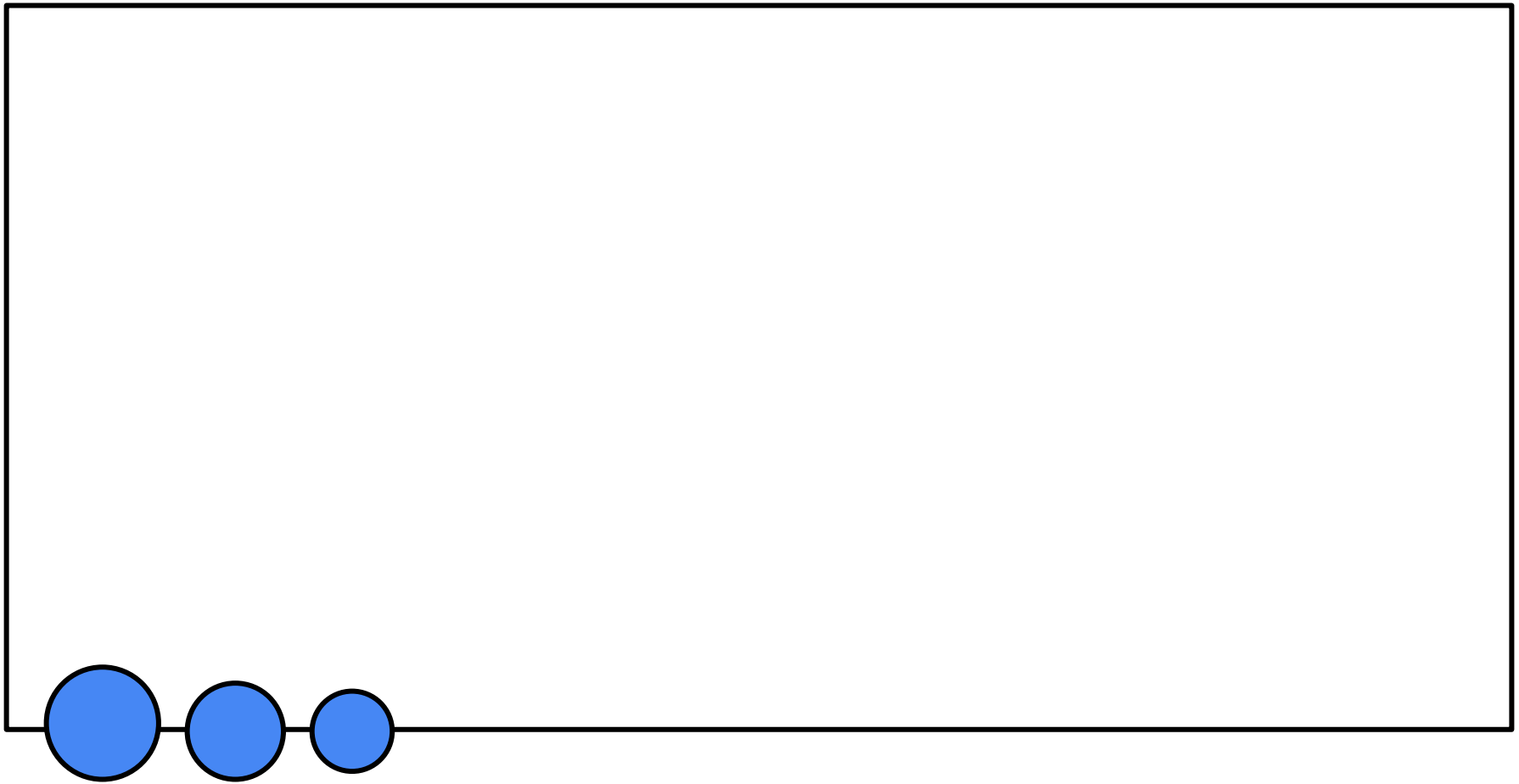

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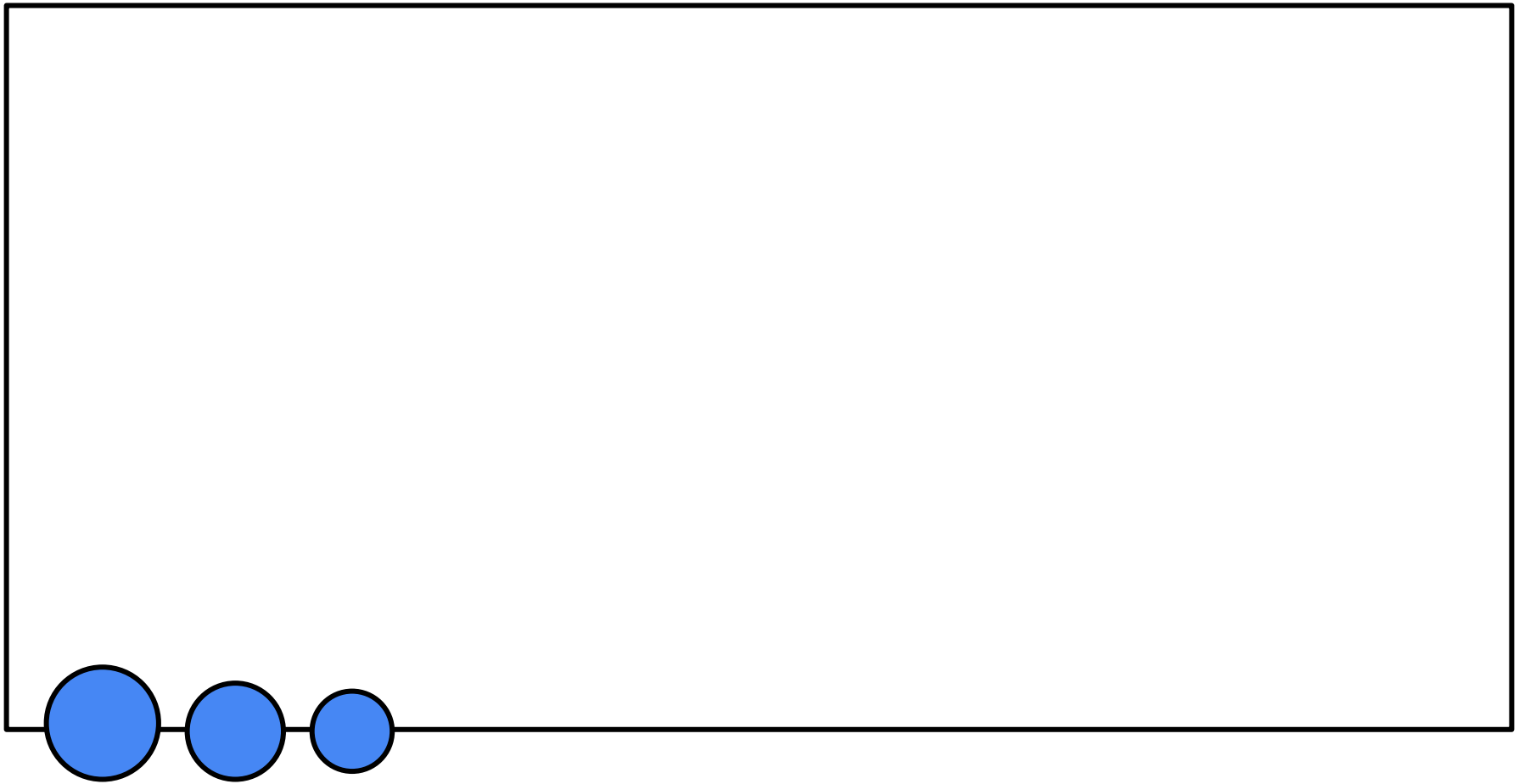

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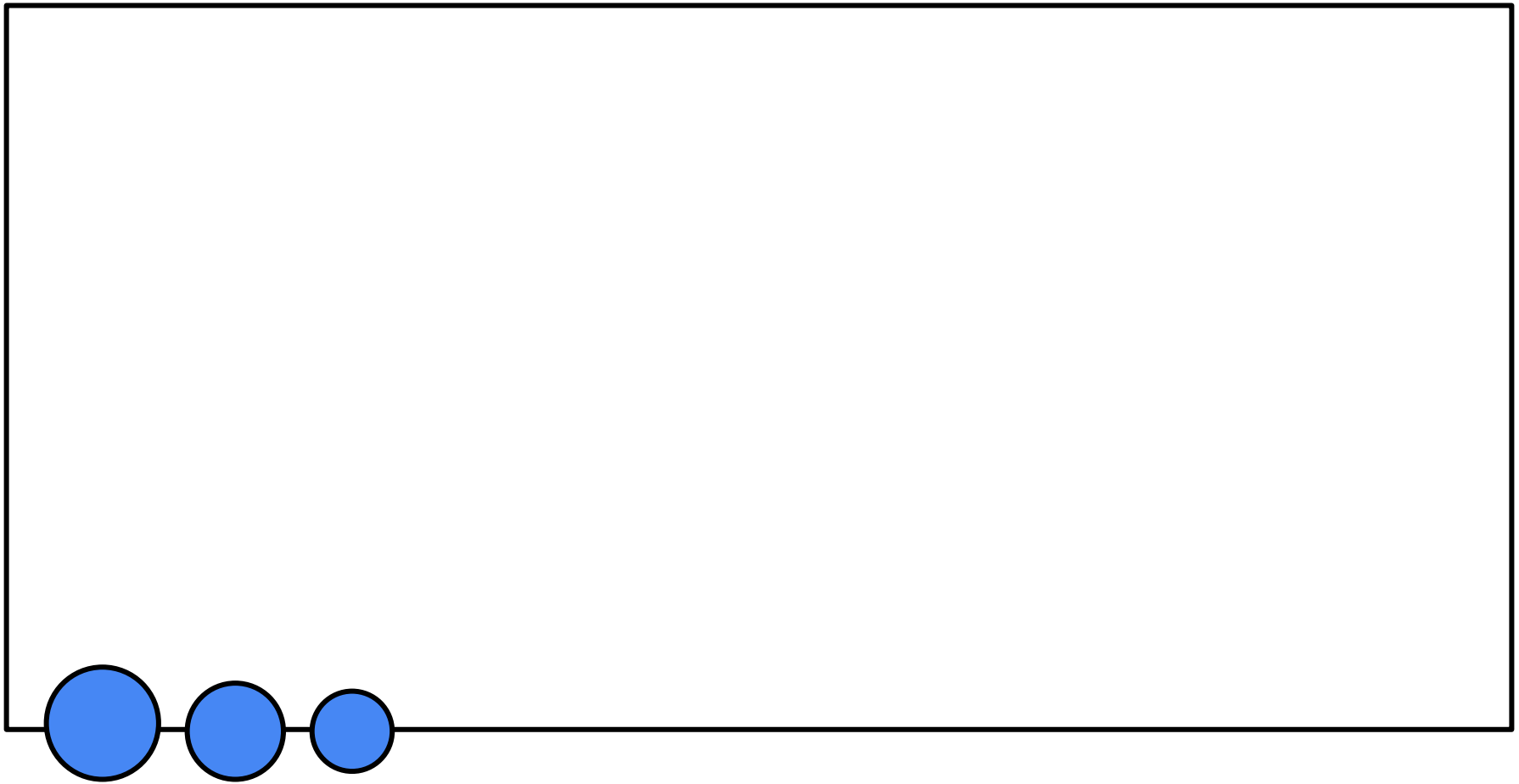

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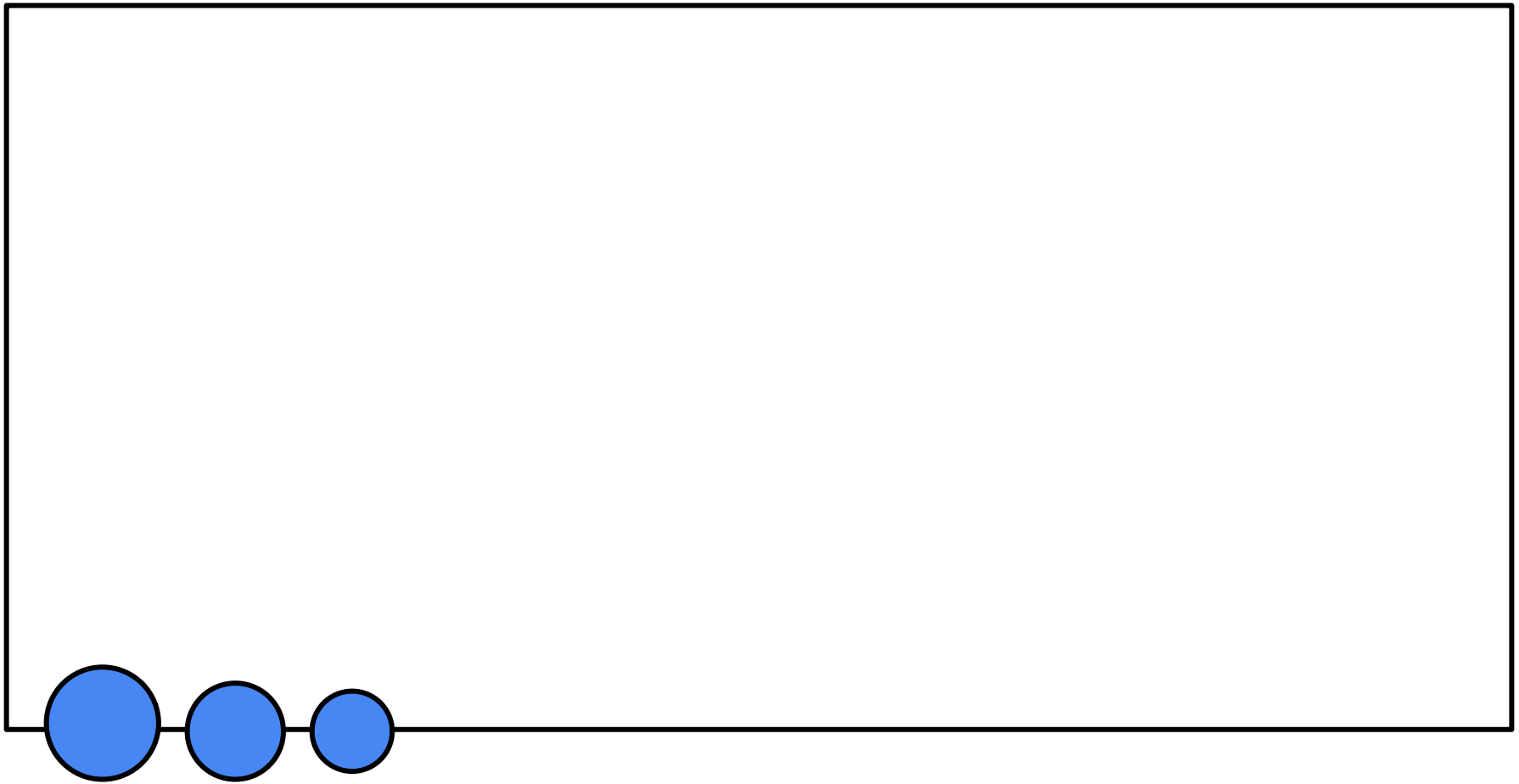

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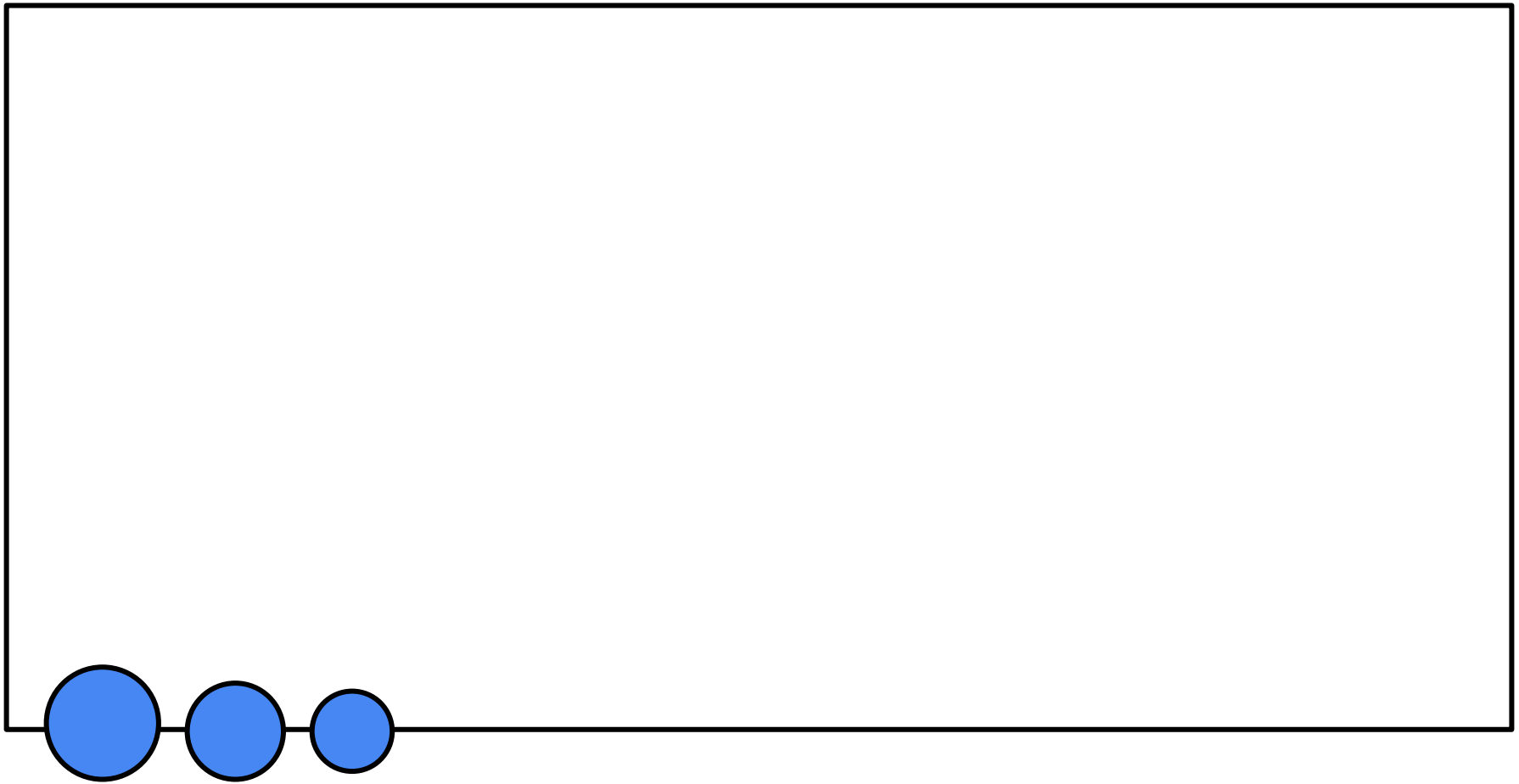
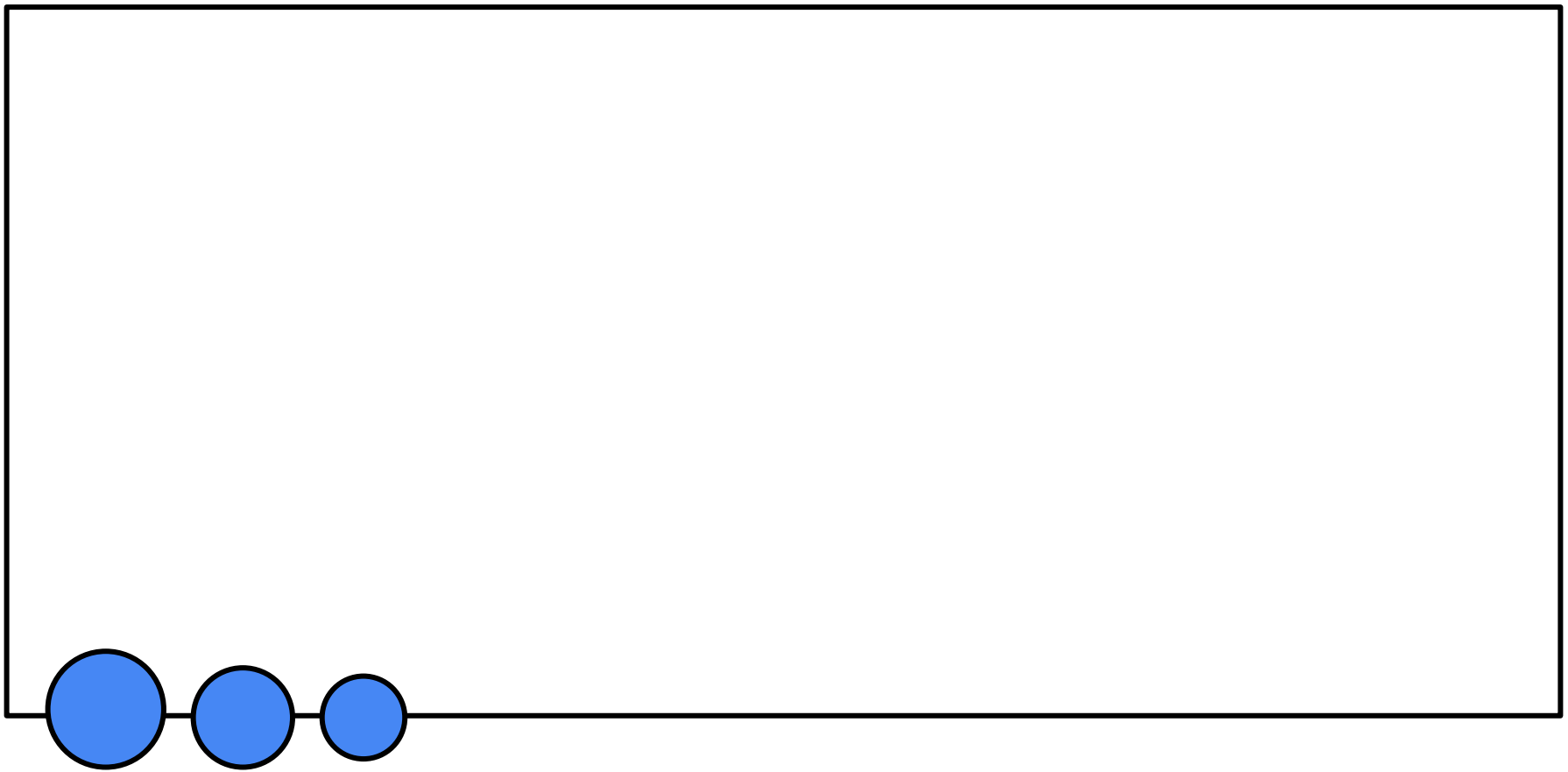


Class Questions

Anand has only 10 paise and 25 paise coins with him. If he has 70 coins in all worth `10 with him, how many 25 paise coins does he have?

A. 20 B. 25 C. 40 D. 50



The cost of two pencils, one eraser and three sharpeners is Rs. 23. The cost of six pencils, three erasers and one sharpener is Rs. 29. The cost of 14 pencils, seven erasers and seven sharpeners is Rs. 91. Find the cost of each pencil.

A. 3 B. 5 C. 4 D. Cannot be determined

Bala had three sons. He had some chocolates which he distributed among them. To his eldest son, he gave 3 more than half the number of chocolates with him. To his second eldest son he gave 4 more than one-third of the remaining chocolates with him. To his youngest son he gave 4 more than one-fourth of the remaining chocolates with him. He was left with 11 chocolates. How many chocolates did he initially have?

A. 180 B. 78 C. 144 D. 120

Some children stand in a queue and share a box of chocolates in such a manner that Child 1 takes 100 chocolates plus 1/10 th of whatever remains in the box. Then Child 2 takes 200 chocolates plus 1/10 th of whatever remains, then Child 3 takes 300 chocolates plus 1/10 th of whatever remains, and so on for each child in the queue. It turns out that each child gets the same number of chocolates.

A. there must be exactly 7 children in the queue. B. each child must have received 900 chocolates. C. the total number of chocolates initially in the box must have been 6300. D. both (1) & (2) true

Assignment Questions

Find the greater of the two numbers such that their sum is 200 and the difference of their squares is 8,000.

A. 80 B. 100 C. 120 D. 140

Prakash, Sameer, Ramesh and Tarun have a total of Rs. 240 with them. Prakash has half the total amount of what the others have. Sameer has one-third of the total amount of what the others have. Ramesh has one-fourth of the total amount of what the others have. Find the amount with Tarun (in Rs.).

A. 65 B. 52 C. 47 D. None of these

On a 26 question test, 5 points were deducted for each wrong answer and 8 points were added for right answers. If all the questions were answered how many were correct if the score was zero?

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

Given the system of equations 3x + ky = 1 and 6x + 3y = 2. For which values of k does this system have infinite solutions?

A. 3/2 B. -3/2 C. 2/3 D. -2/3

The number of solutions for the equation 2x + 3y = 40, such that both x and y are natural numbers, is:

A. 20 B. 13 C. 6 D. 8

Thank you