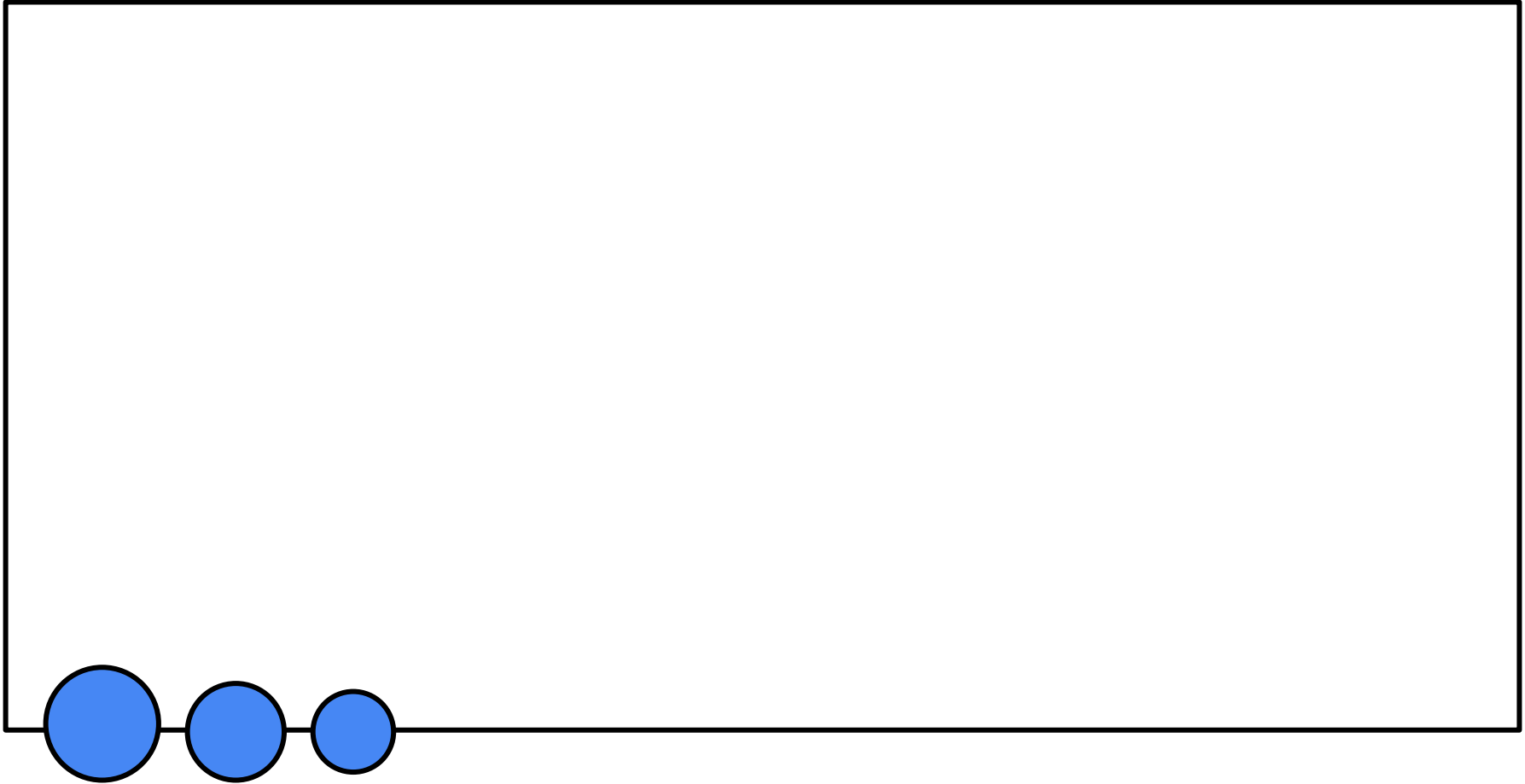




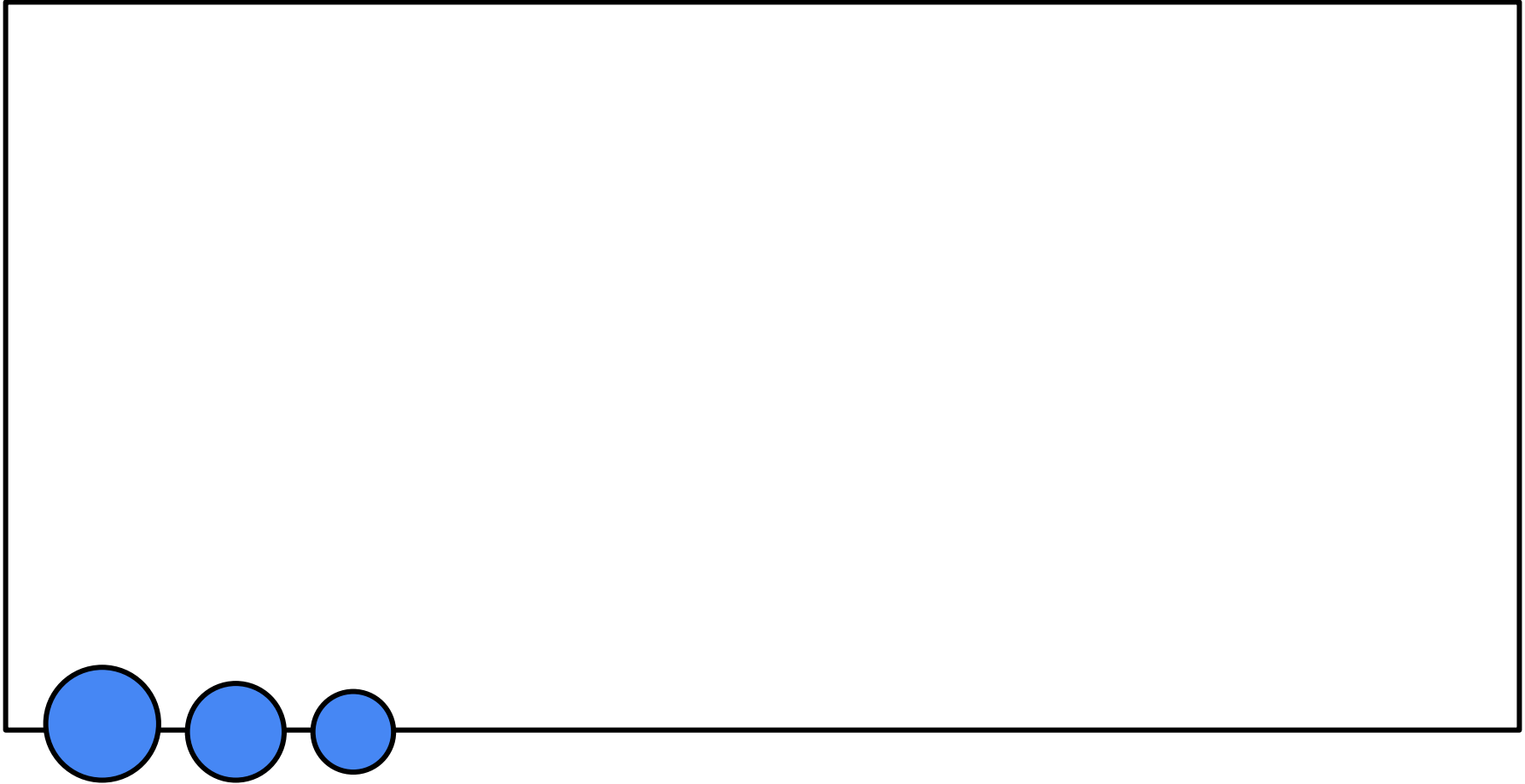
MIXTURE & ALLEGATIONS



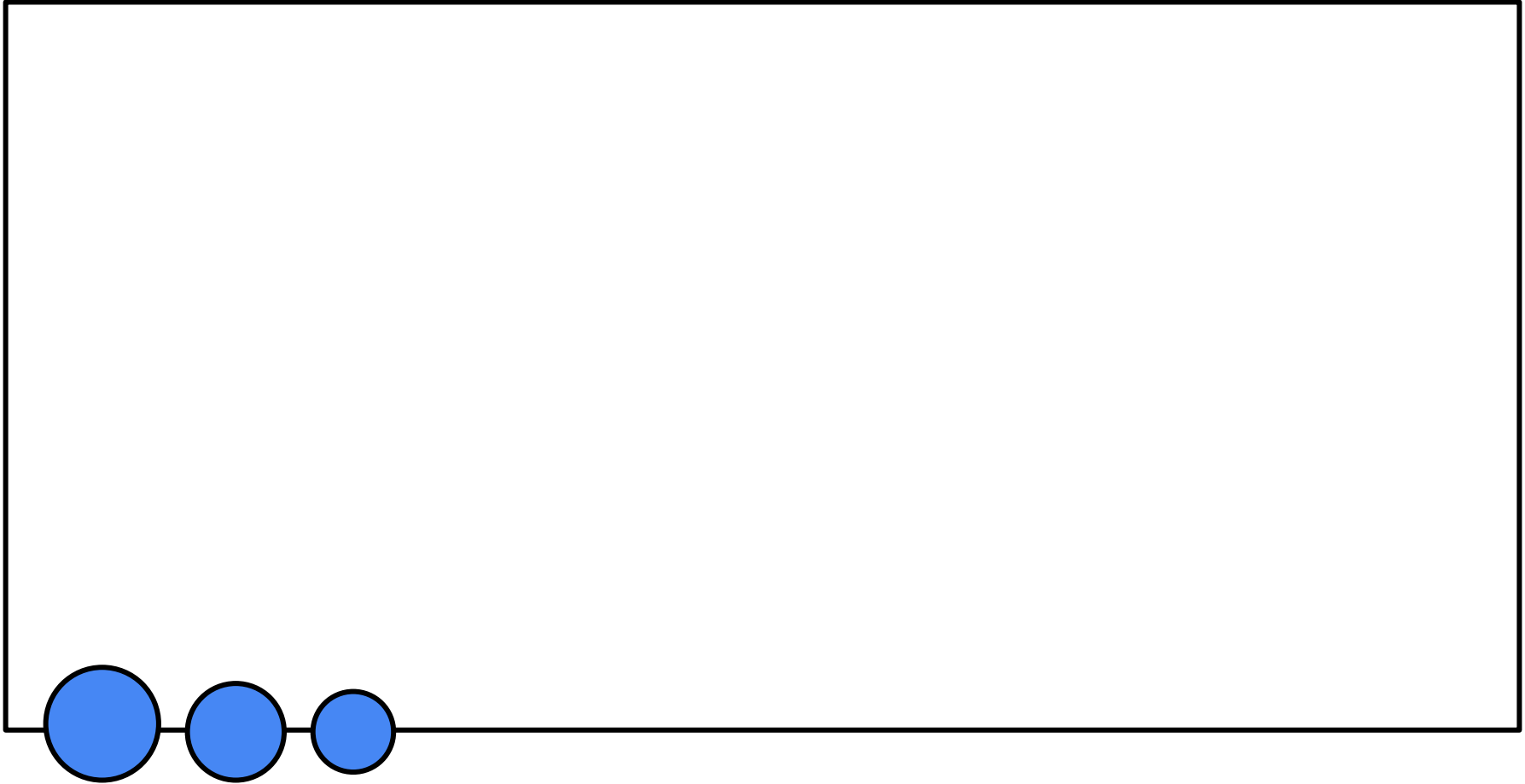
Mixture & Alligations



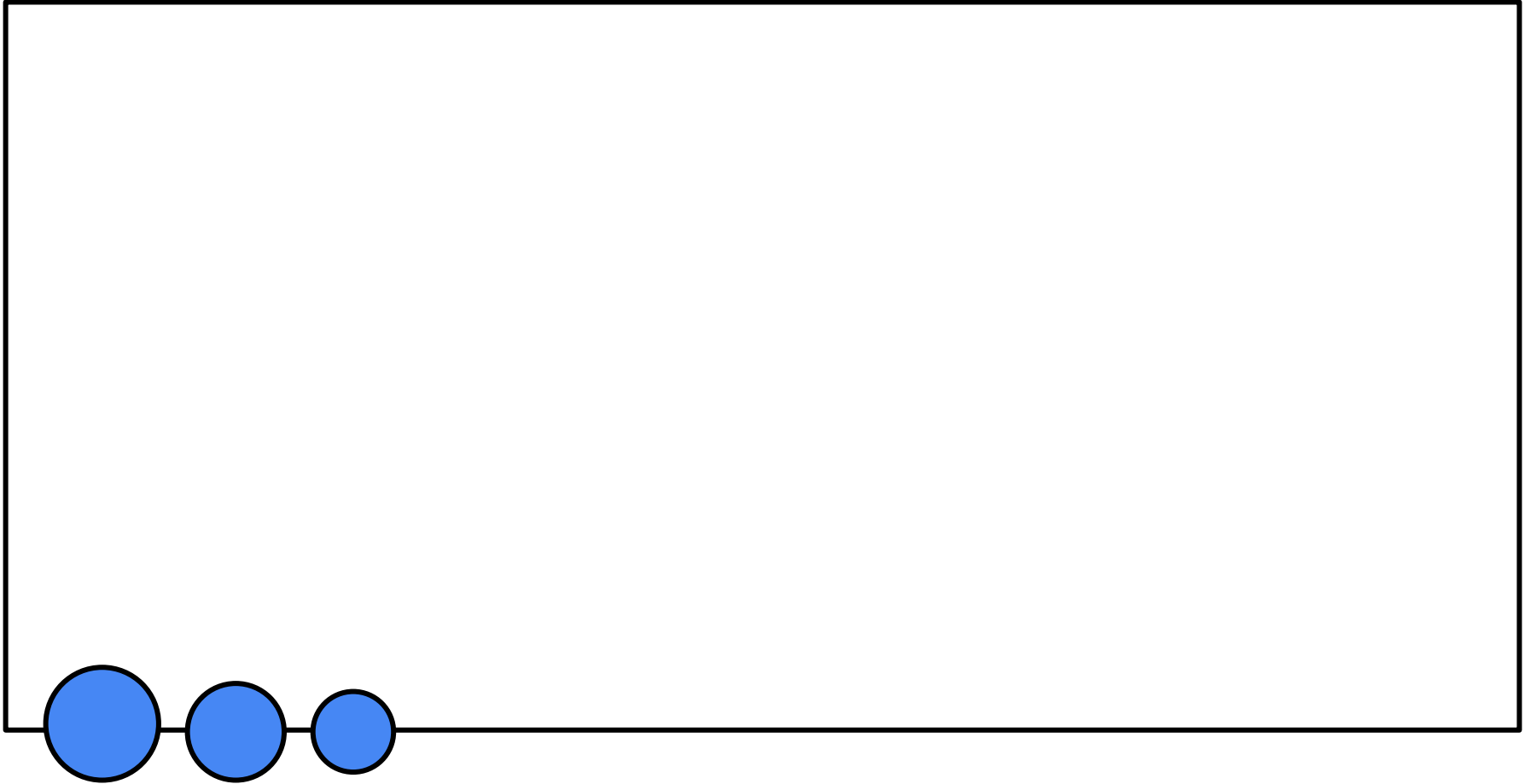
Mixture & Alligations



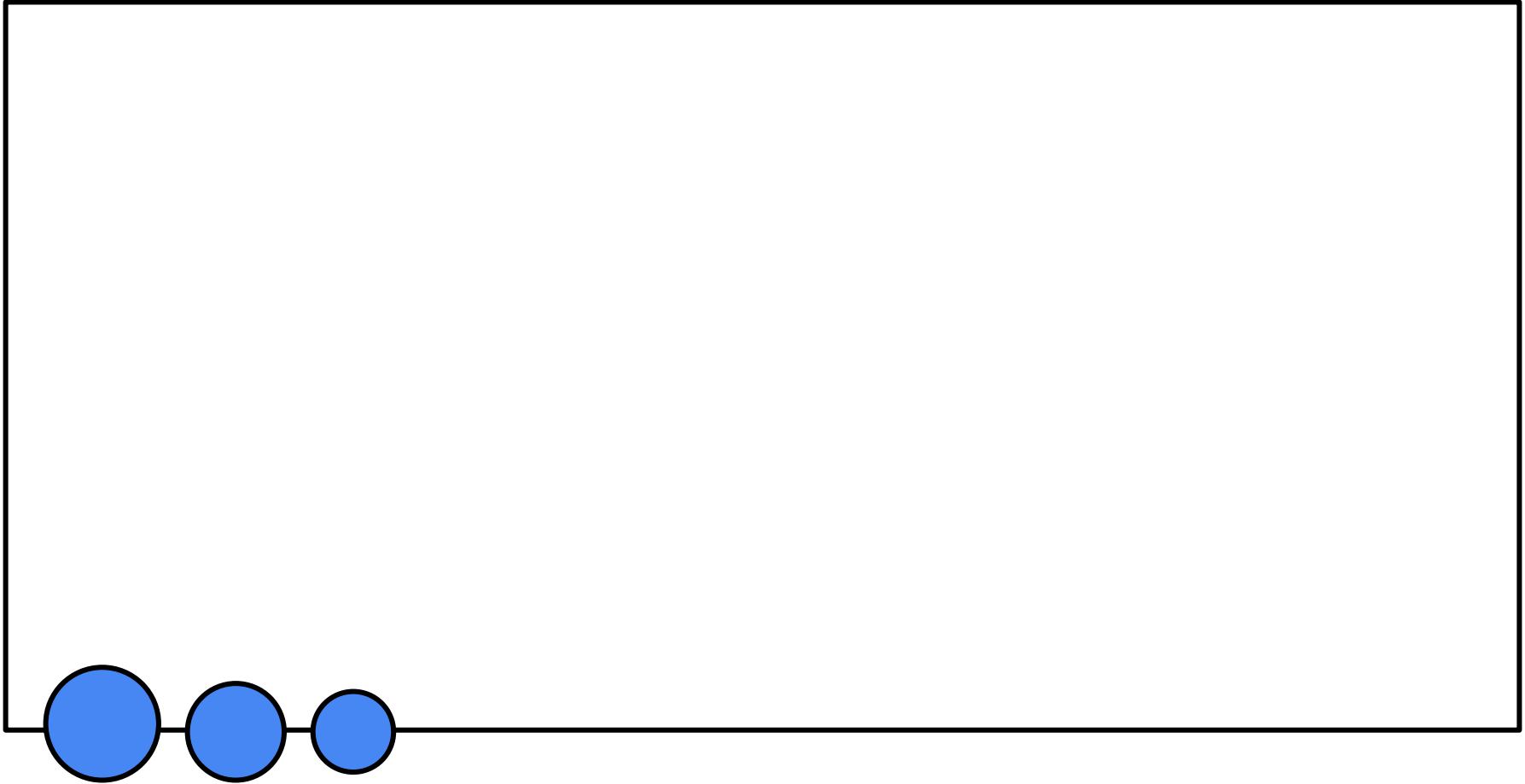
Mixture & Alligations



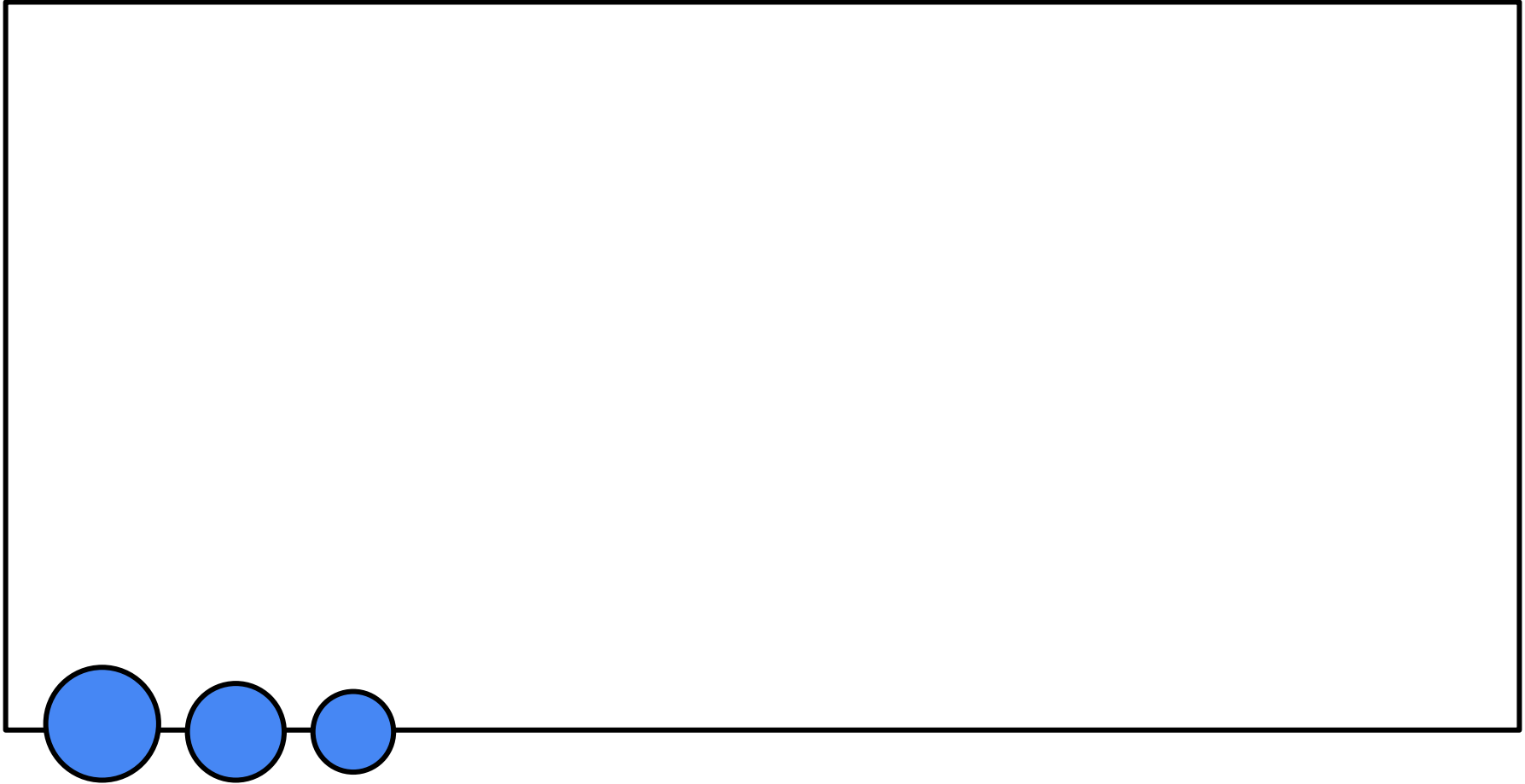
Mixture & Alligations



Mixture & Alligations

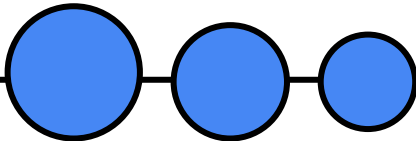


Mixture & Alligations



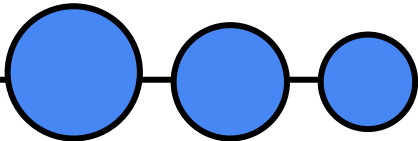


Class Questions



X and Y two alloys are made by mixing aluminum and magnesium metals in the ratio of 8:5 and 9:16 respectively. If equal amounts of alloys are melted to form a new alloy Z, what will be the ratio of aluminum and magnesium in Z?

- A. 317:333 B. 316:319 C. 314:333 D. 313:317





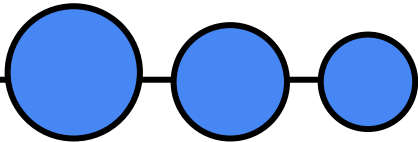
In a glass of syrup, water and sugar are mixed in the ratio 3:2. If 8 liters of the mixture is replaced by 12 liters of sugar liquid, then the ratio of water and sugar becomes 1:2. How many liters of water was in the glass?

A. 4.6

B. 13.8

C. 31.8

D. 12.8



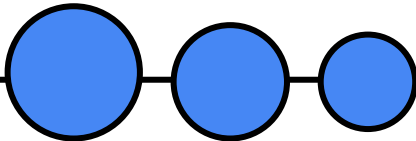
In what proportion should rice costing Rs. 20 per kg be mixed with another variety of rice costing Rs. 15 per kg, so that the mixed rice obtained has a profit of 20% by selling it at the rate of Rs. 20.40 per kg?

A. 1.2

B. 2.3

C. 2.5

D. 1.6



The initial ratio of maida and flour to saltpeter was 17:28. How much flour is added to the raw material of 27 kg saltpeter so that ratio of maida and flour become 2:5?

A. 7.5 kg

B. 8.7 kg

C. 7.3 kg

D. 9.1 kg





Three varieties of almonds Rs. 25,200 per quintal, Rs. 28,000 per quintal and Rs. 31,600 per quintal is sold. What will be the profit or loss on selling 274 kg of the first variety, 197 kg of the second variety and 54 kg of the third variety at the rate of Rs. 28,350 per quintal?

A. Profit of Rs. 7,565.50

B. Loss of Rs.6765.50

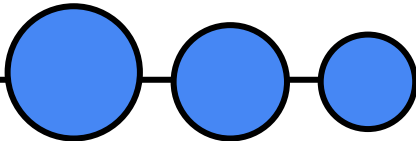
C. Profit of Rs. 5,832.40

D. Loss of Rs.7125.30



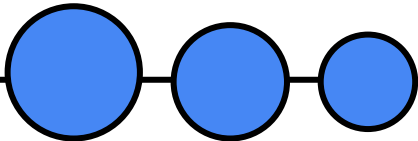


Assignment Questions



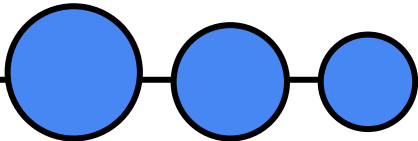
How many kilograms of sugar of Rs. 5.4 per kg should be mixed with 10 kg of sugar of Rs. 4.5 per kg, such that there may be gain of 20% by selling the mixture at Rs. 5.94 per kg.

A. 10 kg B. 12 kg C. 15 kg D. 8 kg



A mixture of 10 liters of sugar contains 11% sugar, out of which 2 liter of water becomes steam. Find the percentage of sugar in the remaining mixture.

- A. 15 % B. 13.75% C. 16% D. 24%



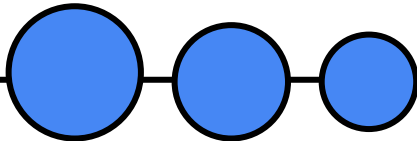
How many liters of preservatives should be added to a 16 liter cough syrup with 10% preservatives, so that the amount of preservatives in the mixture is 20%?

A. 2 L

B. 1.5 L

C. 3 L

D. 2.5 L



The ratio of water and alcohol in one drum of wine is 4:3 and in the other drum the ratio is 3:2. What will be the ratio of water and alcohol when both are mixed in the ratio of 1:2 respectively?

- A. 42 : 41 B. 62 : 43 C. 48 : 57 D. 39 : 48



In what proportion should the two liquor drums, where alcohol and water are in the ratio of 3:1 and 5:3 respectively, be mixed so that in mixture ratio of alcohol and water is 2:1?

A. 1 : 2

B. 2 : 1

C. 2 : 3

D. 3 : 2





Thank you

