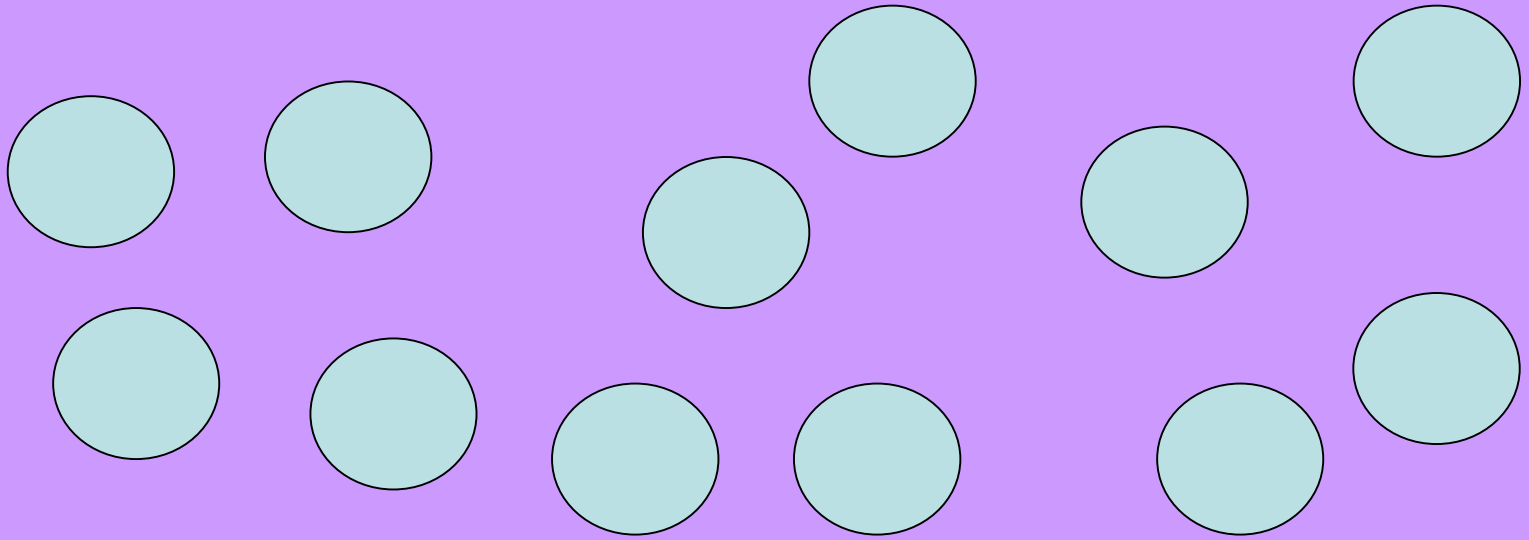
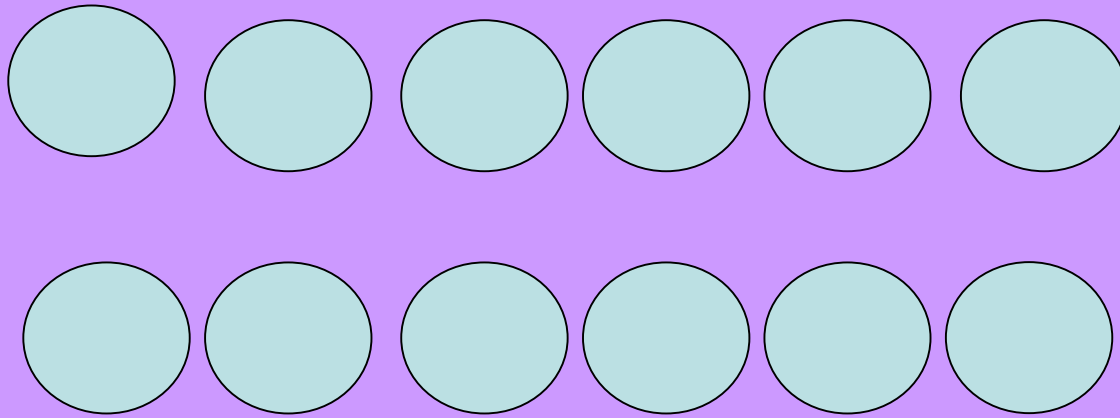


Multiplication

I have 12 counters.



How could I arrange them into equal rows?



What number sentences could you write to go with this array?

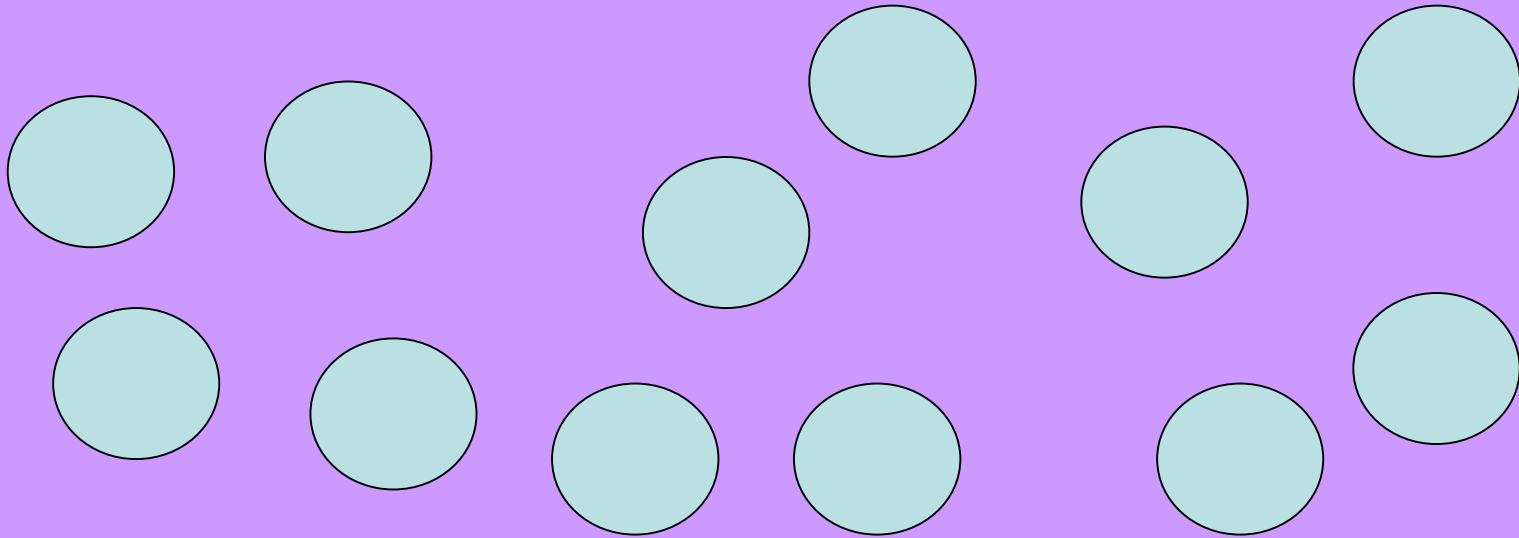
$$2 \times 6 = 12$$

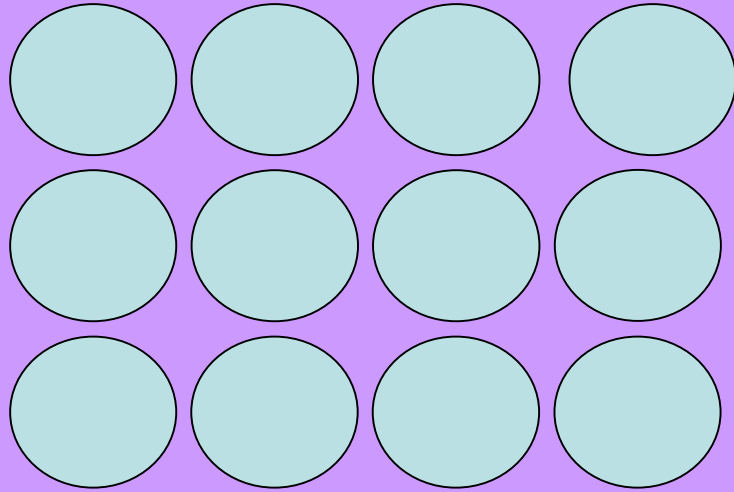
$$6 \times 2 = 12$$

$$6 + 6 = 12$$

$$2 + 2 + 2 + 2 + 2 + 2 = 12$$

Can you think of any other ways to arrange the counters?





What number sentences could you write to go with this array?

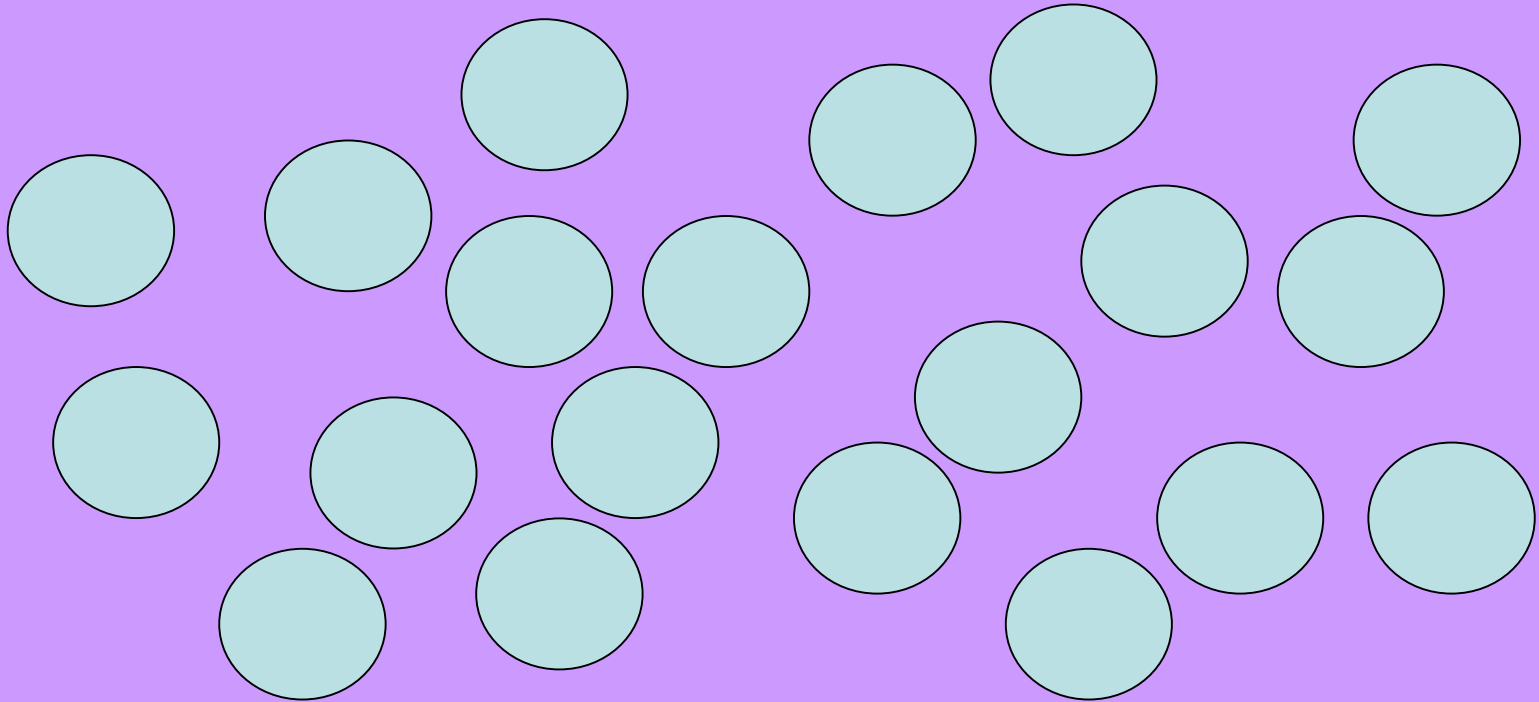
$$3 \times 4 = 12$$

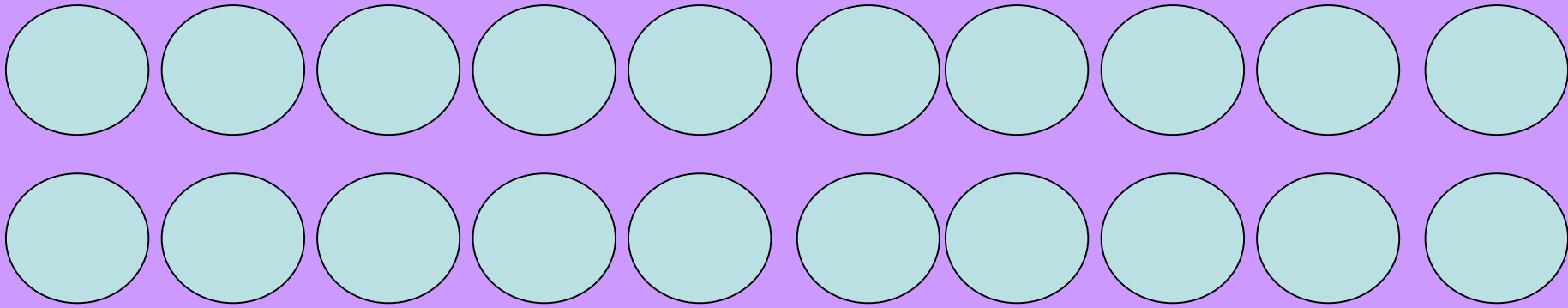
$$4 \times 3 = 12$$

$$4 + 4 + 4 = 12$$

$$3 + 3 + 3 + 3 = 12$$

Could you arrange 20 counters?





What number sentences could you write to go with this array?

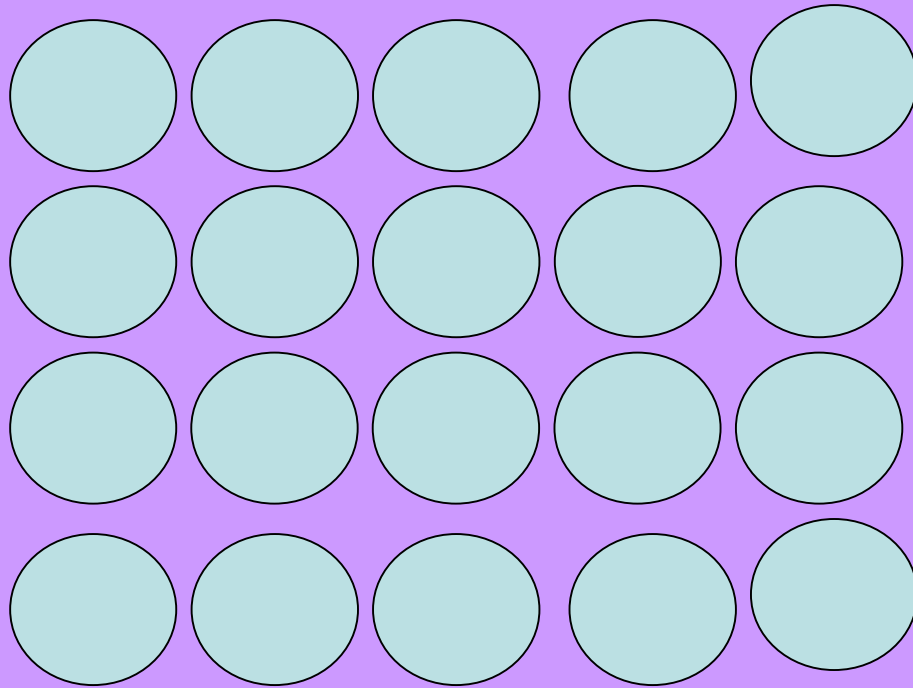
$$2 \times 10 = 20$$

$$10 \times 2 = 20$$

$$10 + 10 = 20$$

$$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 20$$

OR ...



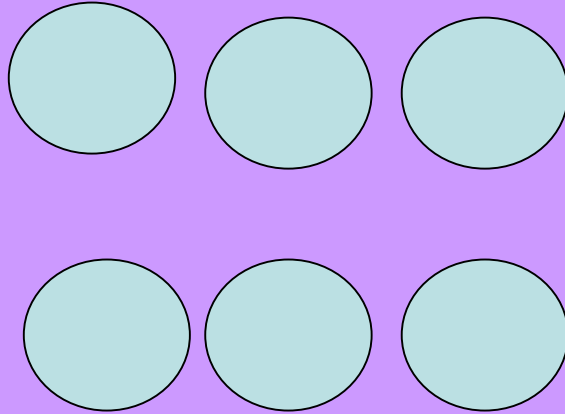
$$5 \times 4 = 20$$

$$4 \times 5 = 20$$

$$4 + 4 + 4 + 4 + 4 = 20$$

$$5 + 5 + 5 + 5 = 20$$

6 counters



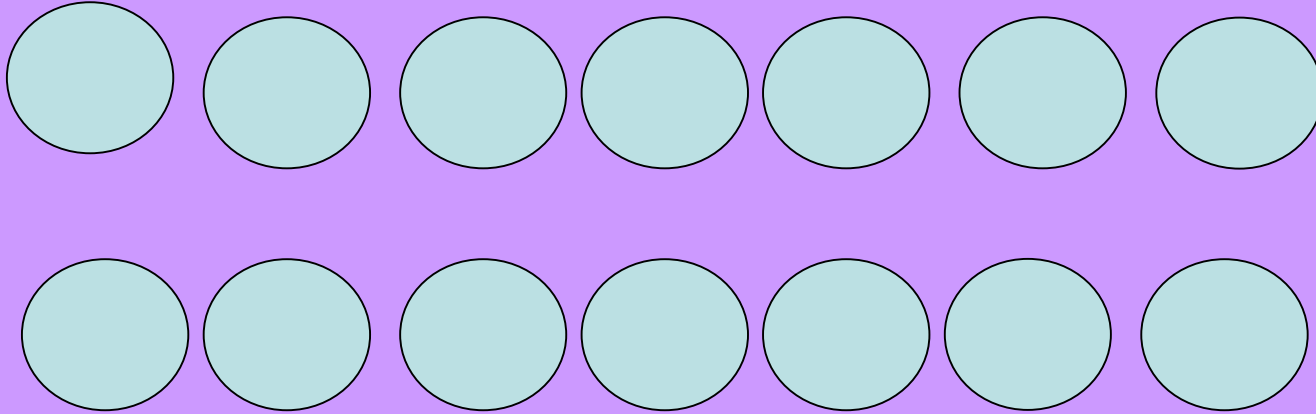
$$2 \times 3 = 6$$

$$3 \times 2 = 6$$

$$3 + 3 = 6$$

$$2 + 2 + 2 = 6$$

14 counters



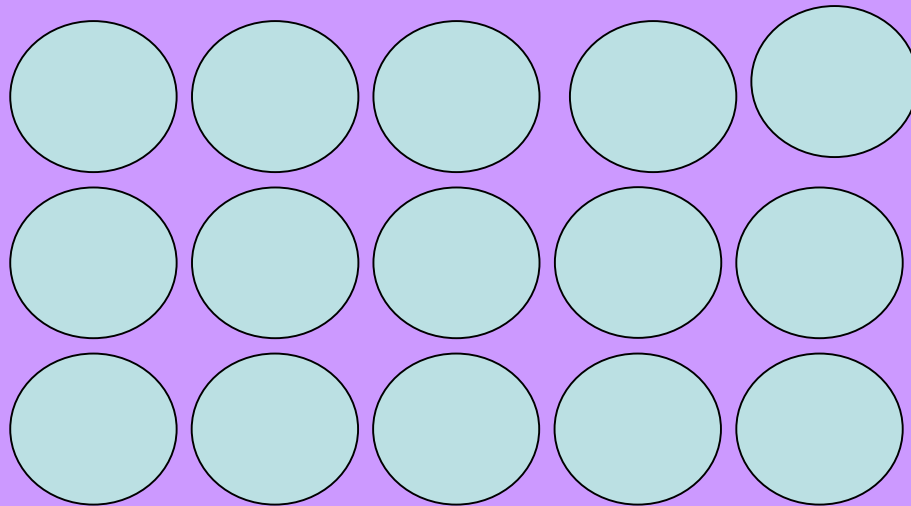
$$2 \times 7 = 14$$

$$7 \times 2 = 14$$

$$7 + 7 = 14$$

$$2 + 2 + 2 + 2 + 2 + 2 + 2 = 14$$

15 counters



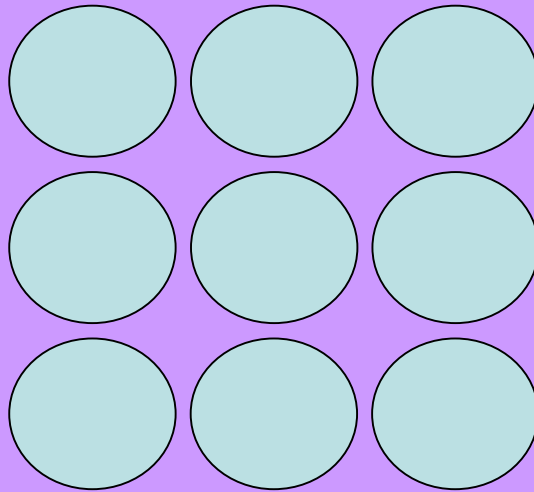
$$5 \times 3 = 15$$

$$3 \times 5 = 15$$

$$3 + 3 + 3 + 3 + 3 = 15$$

$$5 + 5 + 5 = 15$$

9 counters



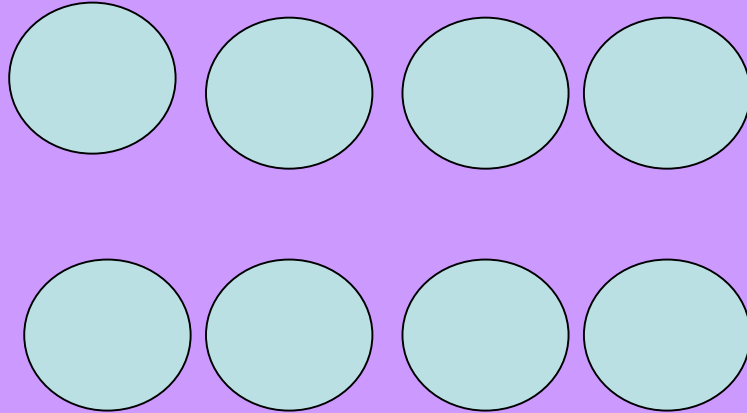
$$3 \times 3 = 9$$

$$3 \times 3 = 9$$

$$3 + 3 + 3 = 9$$

$$3 + 3 + 3 = 9$$

8 counters



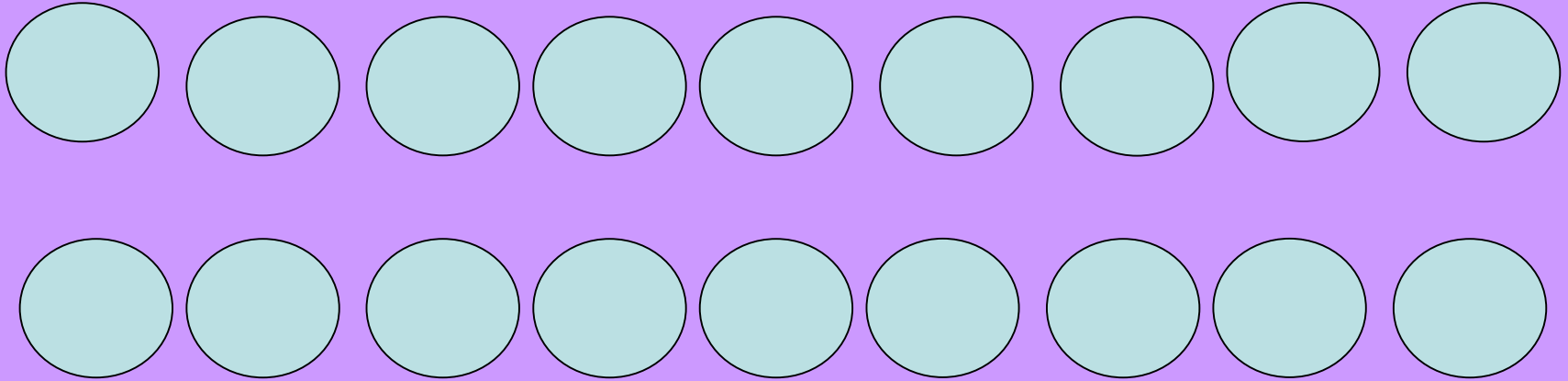
$$2 \times 4 = 8$$

$$4 \times 2 = 8$$

$$4 + 4 = 8$$

$$2 + 2 + 2 + 2 = 8$$

18 counters



$$2 \times 9 = 18$$

$$9 \times 2 = 18$$

$$9 + 9 = 18$$

$$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 18$$