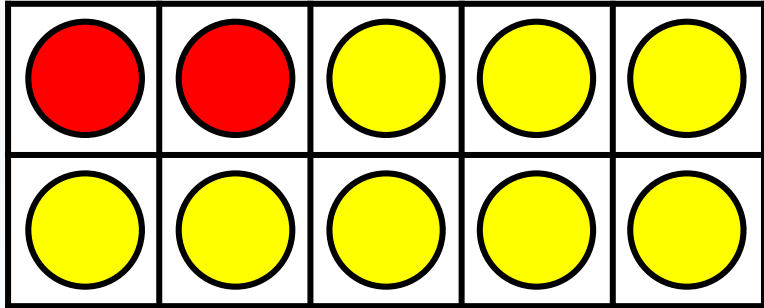
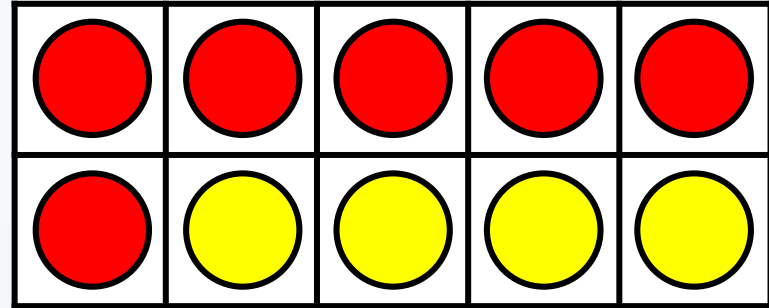


# Number Bonds

Complete the number bonds to 10.

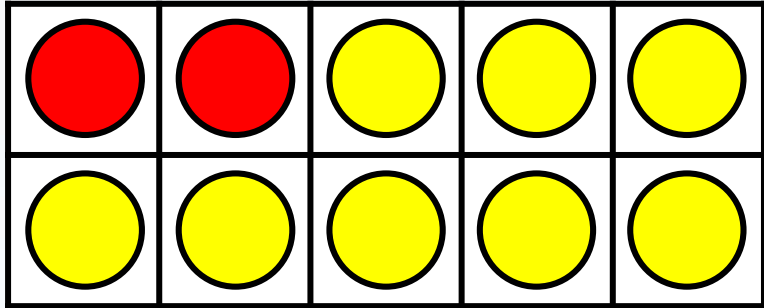


$$2 + \underline{\quad} = 10$$

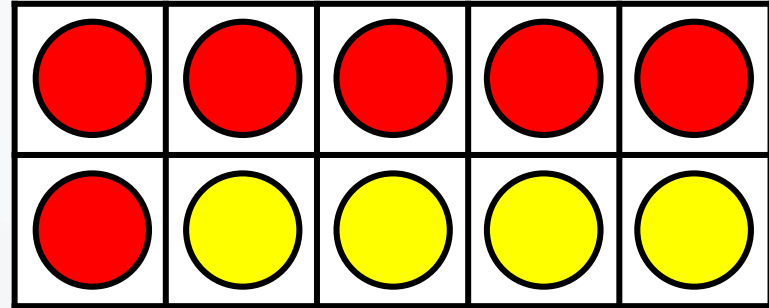


$$6 + \underline{\quad} = 10$$

Complete the number bonds to 10.

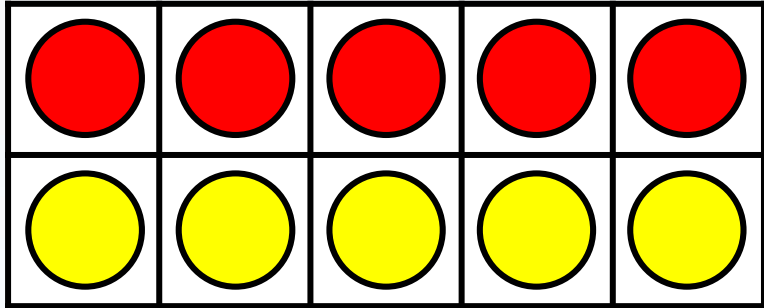


$$2 + \underline{8} = 10$$

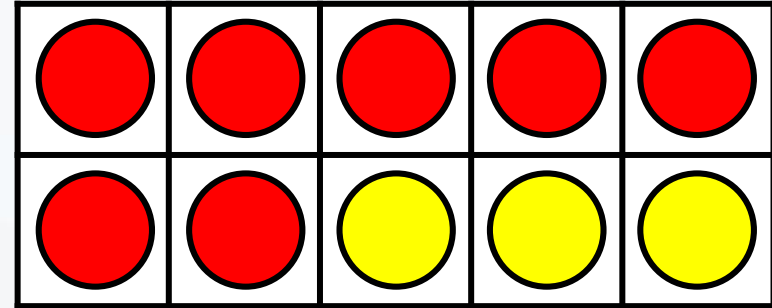


$$6 + \underline{4} = 10$$

Complete the number bonds to 10.

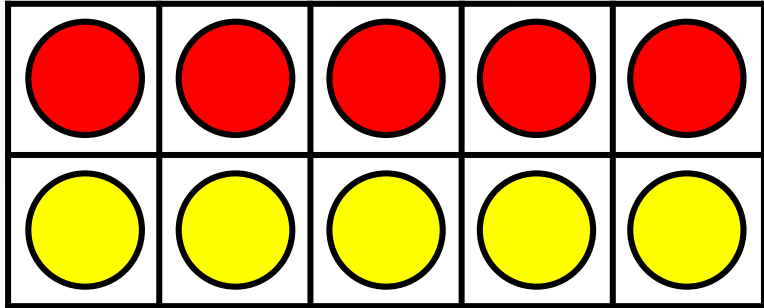


$$\underline{\quad} + \underline{\quad} = 10$$

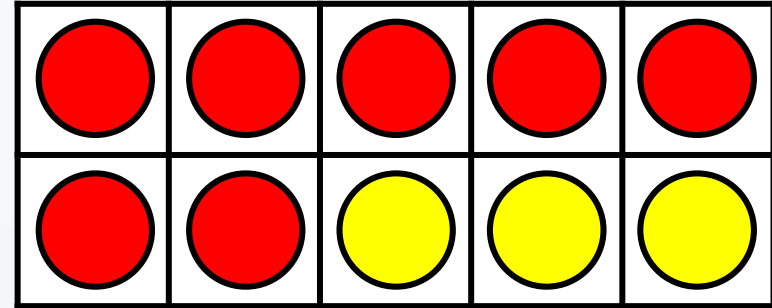


$$\underline{\quad} + \underline{\quad} = 10$$

Complete the number bonds to 10.



$$\underline{5} + \underline{5} = 10$$



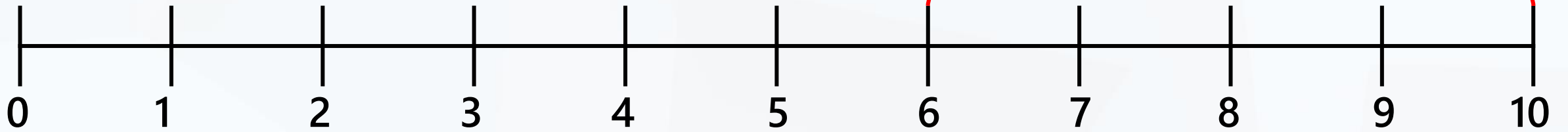
$$\underline{7} + \underline{3} = 10$$

# How many more to make 10?



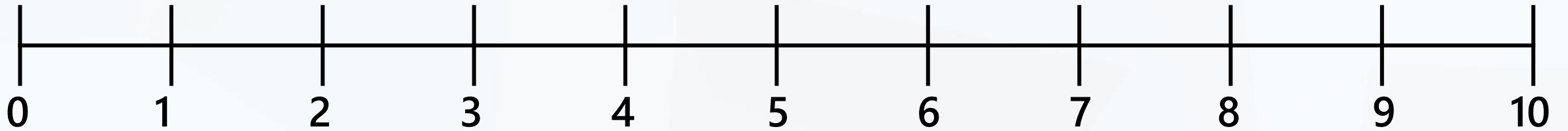
$$\underline{6} + \underline{\quad} = 10$$

# How many more to make 10?



$$\underline{6} + \underline{4} = 10$$

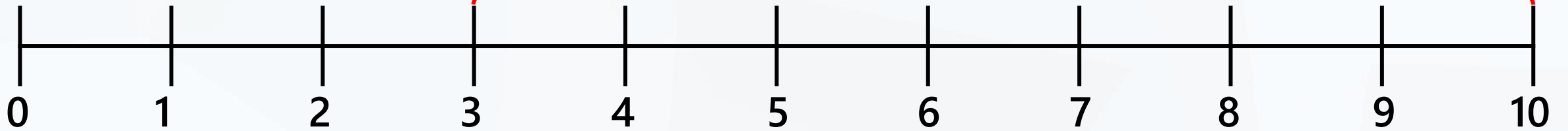
# How many more to make 10?



$$\underline{3} + \underline{\quad} = 10$$

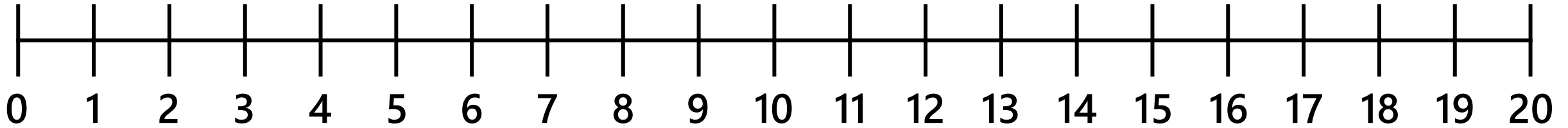


# How many more to make 10?



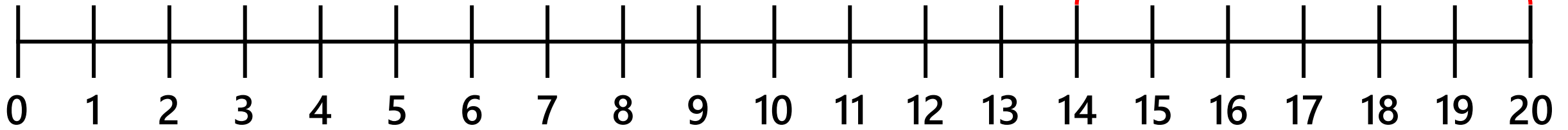
$$\underline{3} + \underline{7} = 10$$

# How many more to make 20?



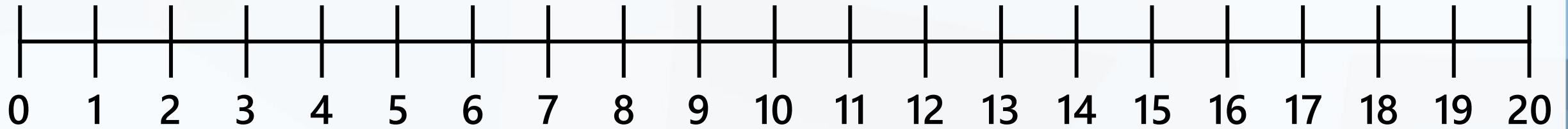
$$\underline{14} + \underline{\quad} = 20$$

# How many more to make 20?



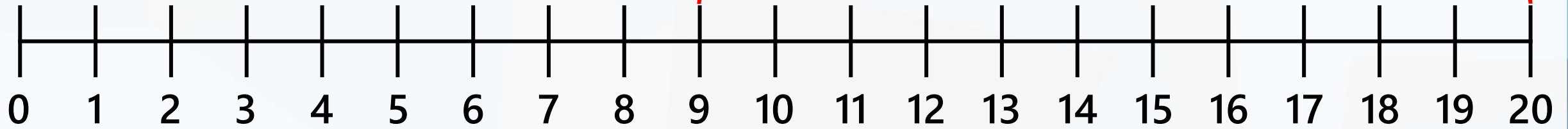
$$\underline{14} + \underline{6} = 20$$

# How many more to make 20?



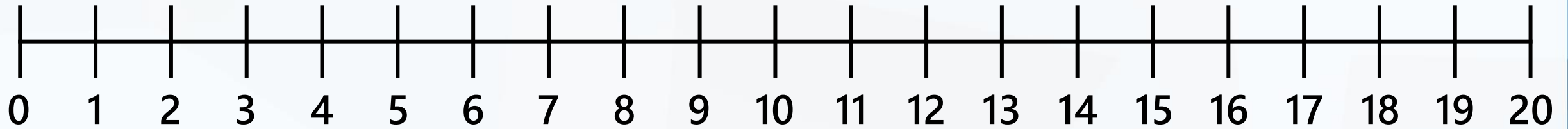
$$\underline{9} + \underline{\quad} = 20$$

# How many more to make 20?



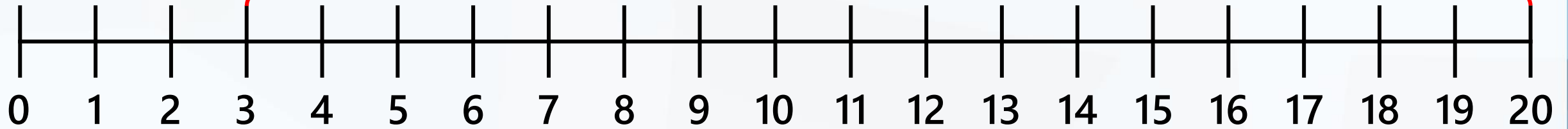
$$\underline{9} + \underline{11} = 20$$

# How many more to make 20?



$$\underline{3} + \underline{\quad} = 20$$

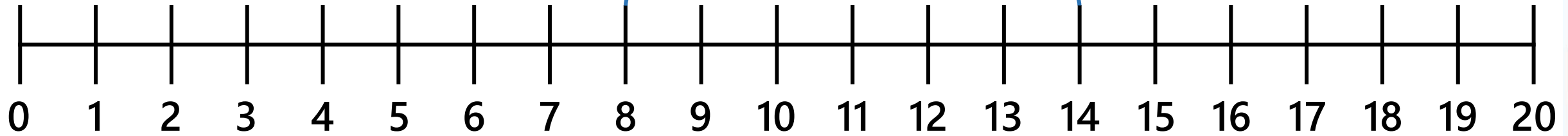
# How many more to make 20?



$$\underline{3} + \underline{17} = 20$$

Spot and explain the mistake.

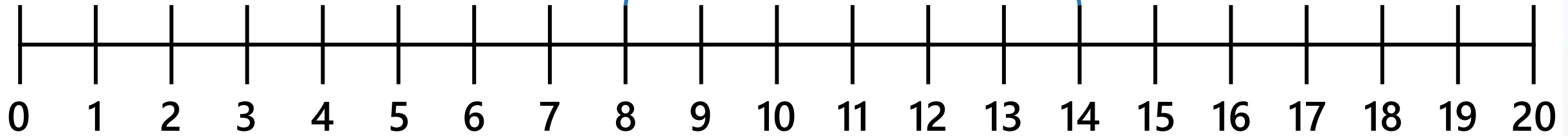
$$6 + 8 = 14$$



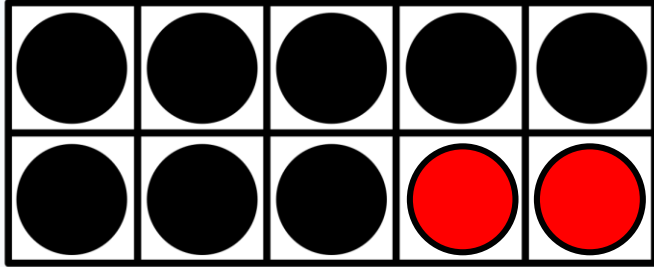


Spot and explain the mistake.

$$6 + 8 = 14$$

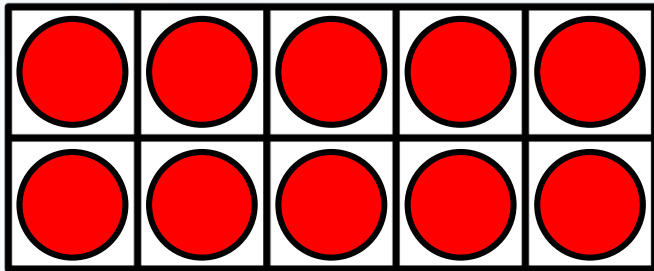


The jumps on the number line show  $8 + 6$ .  
It should show 6 plus 8 more.



There are \_\_\_\_\_ black counters.

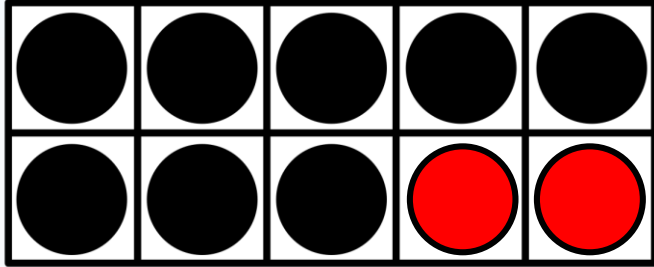
There are \_\_\_\_\_ red counters.



Altogether there are \_\_\_\_\_ counters.

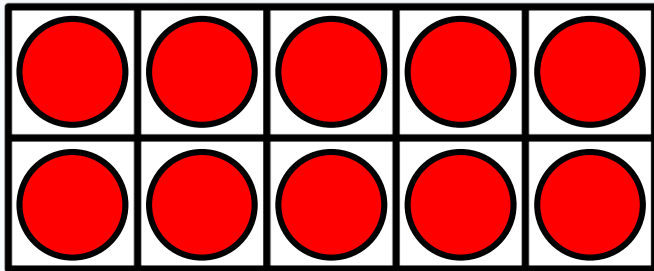
$$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$$

$$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$$



There are 8 black counters.

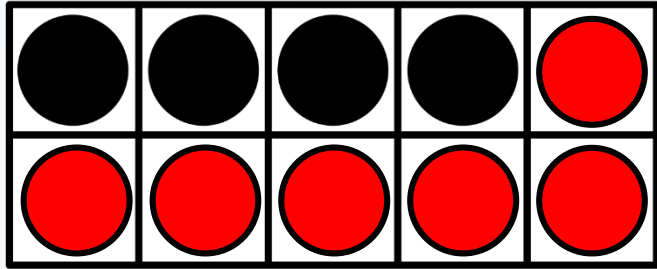
There are 12 red counters.



Altogether there are 20 counters.

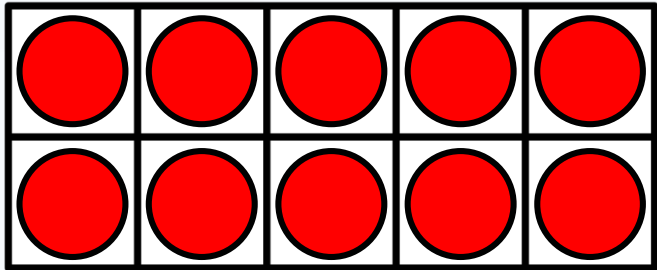
$$\underline{8} + \underline{12} = \underline{20}$$

$$\underline{12} + \underline{8} = \underline{20}$$



There are \_\_\_\_\_ black counters.

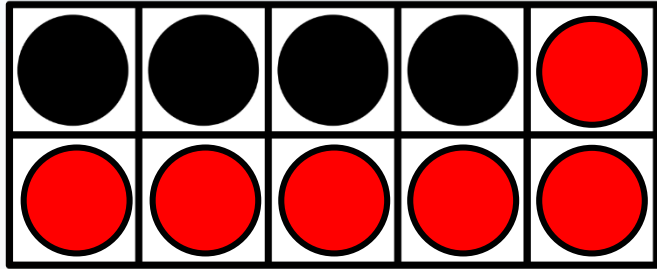
There are \_\_\_\_\_ red counters.



Altogether there are \_\_\_\_\_ counters.

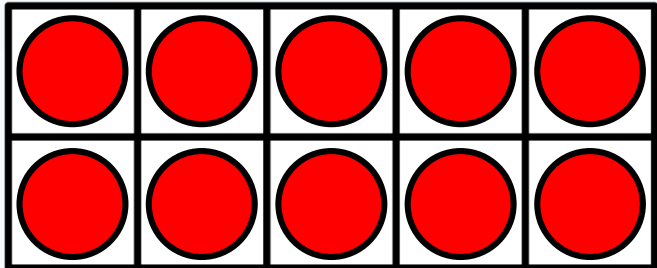
$$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$$

$$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$$



There are 4 black counters.

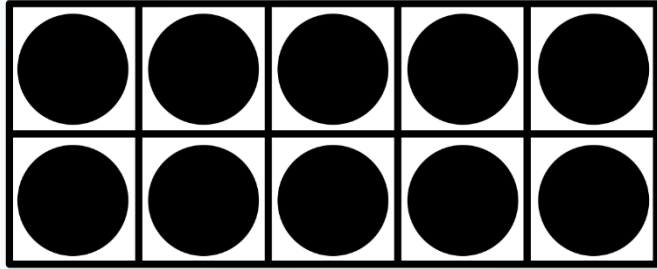
There are 16 red counters.



Altogether there are 20 counters.

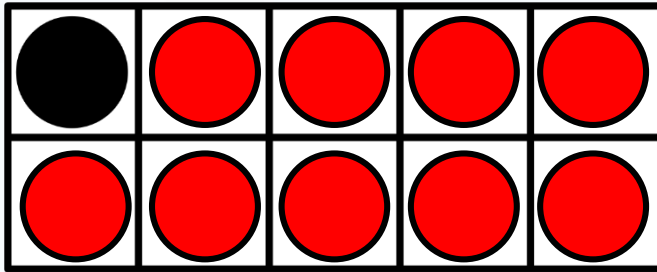
$$\underline{4} + \underline{16} = \underline{20}$$

$$\underline{16} + \underline{4} = \underline{20}$$



There are \_\_\_\_\_ black counters.

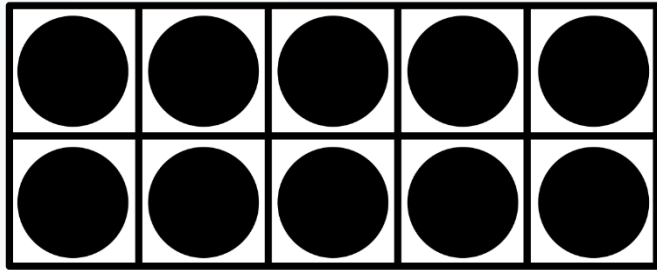
There are \_\_\_\_\_ red counters.



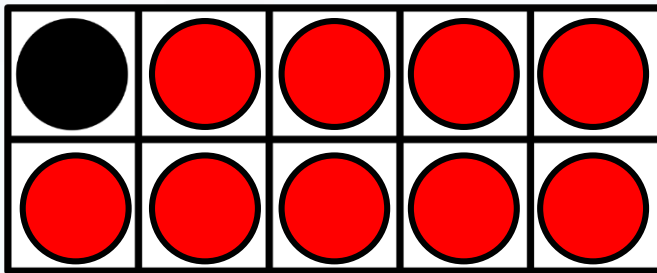
Altogether there are \_\_\_\_\_ counters.

$$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$$

$$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$$



There are 11 black counters.

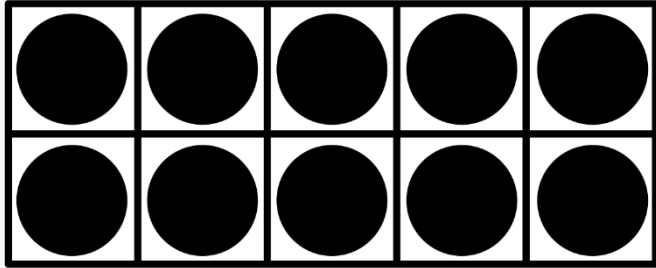


There are 9 red counters.

Altogether there are 20 counters.

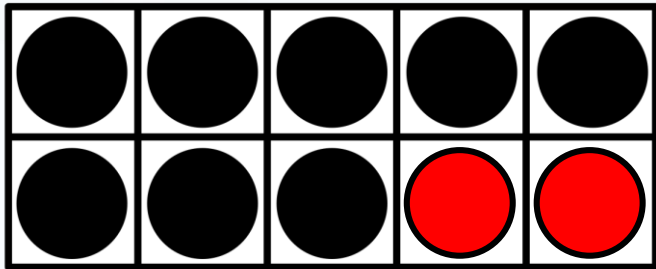
$$\underline{11} + \underline{9} = \underline{20}$$

$$\underline{9} + \underline{11} = \underline{20}$$



There are \_\_\_\_\_ black counters.

There are \_\_\_\_\_ red counters.

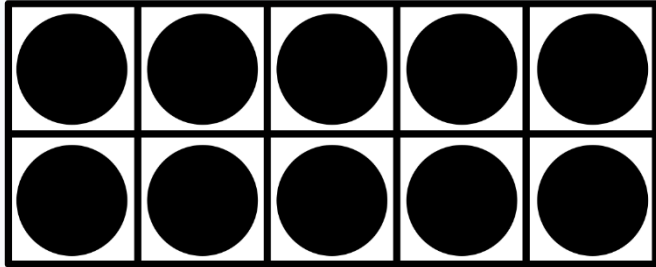


Altogether there are \_\_\_\_\_ counters.

$$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$$

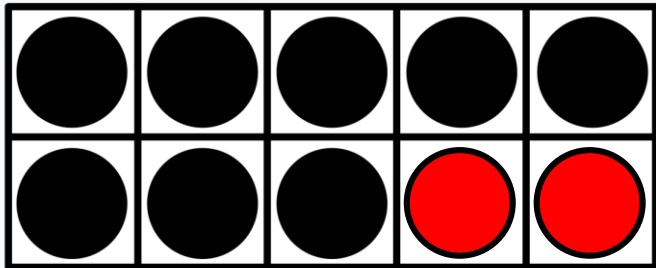
$$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$$





There are 18 black counters.

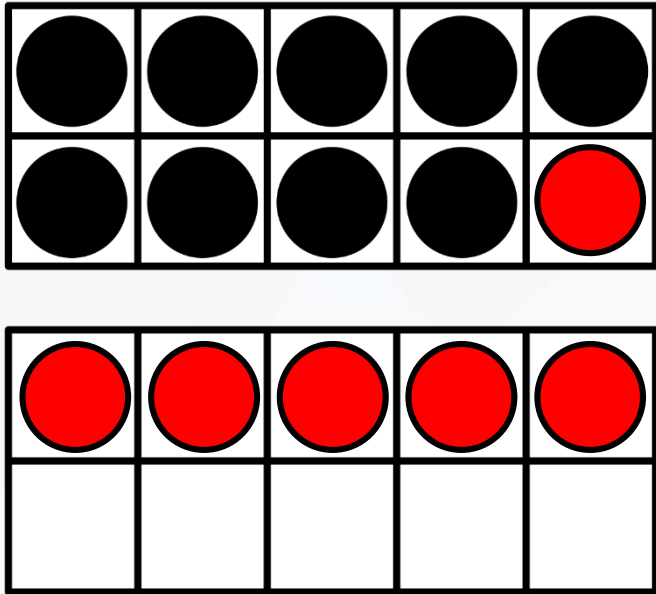
There are 2 red counters.



Altogether there are 20 counters.

$$\underline{18} + \underline{2} = \underline{20}$$

$$\underline{2} + \underline{18} = \underline{20}$$

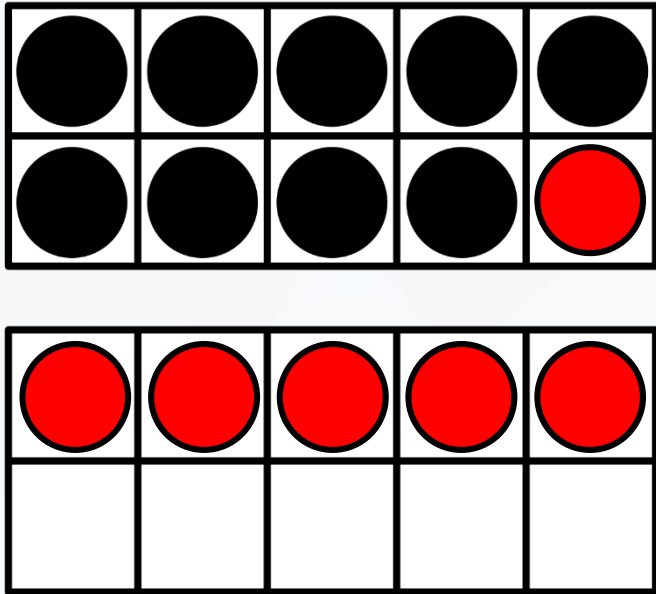


There are 9 black counters.

There are 5 red counters.

Altogether there are 15 counters.

True or false? Explain how you know.



There are 9 black counters.

There are 5 red counters.

Altogether there are 15 counters.

True or false? Explain how you know.

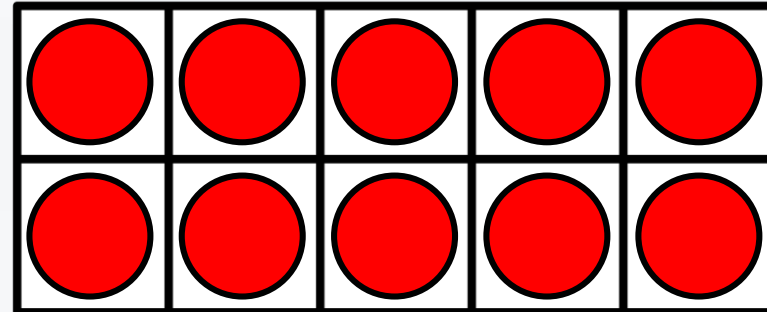
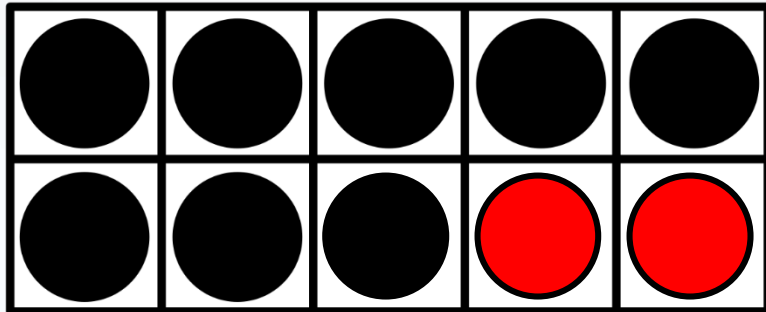
**False.**

**There are 9 black counters and 6 red counters (not 5).**

There are 4 more red counters than black counters.  
 The total is 20.

How many of each colour counter are there?

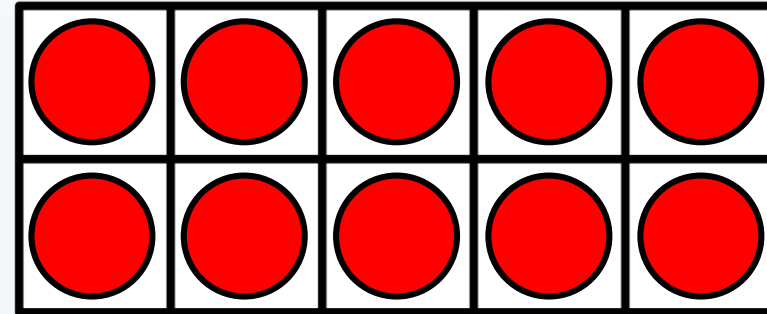
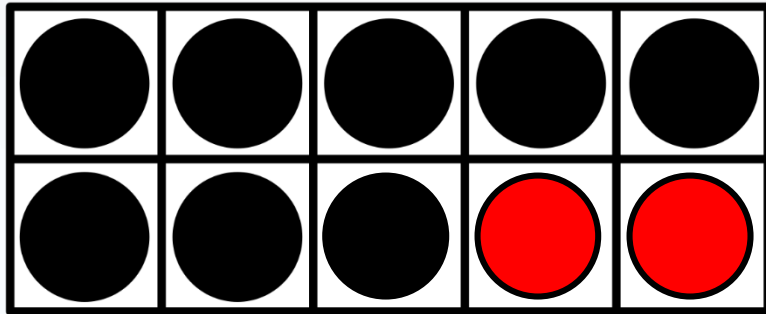
Show this on ten frames and as number sentences.



There are 4 more red counters than black counters.  
The total is 20.

How many of each colour counter are there?

Show this on ten frames and as number sentences.



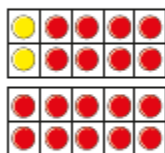
$$8 + 12 = 20$$

$$12 + 8 = 20$$

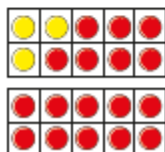
## Find and make number bonds

1 Write additions to match the ten frames.

a)



b)



c) What do you notice?

2 Complete the number bonds.

a)  $4 + 6$

$4 + 16$

c)  $10 = \square + 1$

$20 = \square + 1$

b)  $5 + 5$

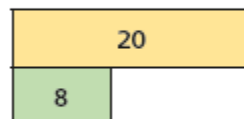
$5 + 15$

d)  $10 = 3 + \square$

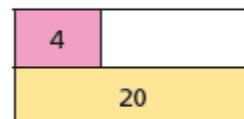
$20 = \square + 13$

3 Complete the bar models.

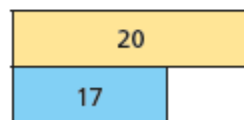
a)



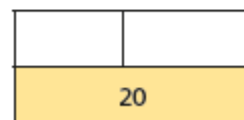
c)



b)



d)



4 Colour all the number bonds to 20

$14 + 3$	$17 + 3$	$2 + 18$	$0 + 20$	$3 + 16$	$9 + 11$	$17 + 3$	$18 + 2$	$2 + 0$
$18 + 1$	$3 + 7$	$12 + 7$	$5 + 15$	$4 + 8$	$1 + 19$	$13 + 5$	$20 + 0$	$1 + 15$
$11 + 8$	$11 + 9$	$19 + 1$	$3 + 17$	$10 + 0$	$13 + 7$	$16 + 2$	$8 + 12$	$5 + 5$
$5 + 6$	$4 + 16$	$19 + 0$	$10 + 1$	$2 + 0$	$14 + 6$	$17 + 1$	$11 + 9$	$11 + 8$
$12 + 5$	$12 + 8$	$18 + 2$	$15 + 5$	$4 + 15$	$16 + 4$	$10 + 10$	$15 + 5$	$13 + 3$

Make your own puzzle like this.