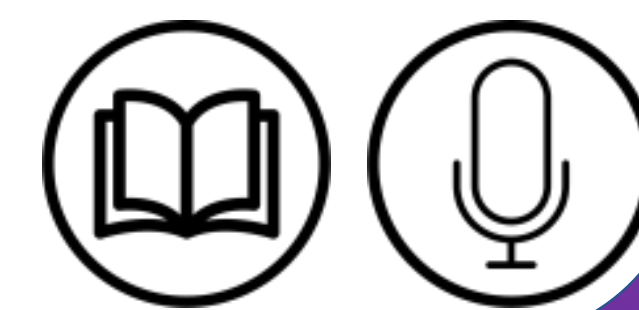
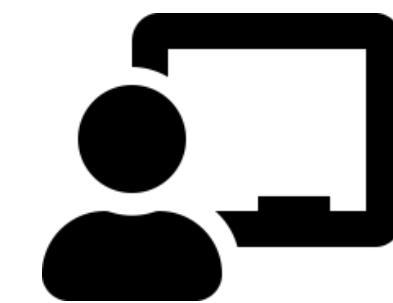


# Subtraction Doubles



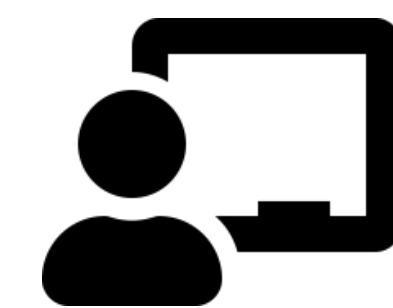


# Subtraction Doubles

- **Subtraction double** is not a standard term or concept. It could refer to a **couple of different things**.
- Subtraction doubles could refer to a set of **subtraction facts** that are **easy to memorize** because they involve the **double of a number**.
- For example, the subtraction **double for 2 is 4**, because **4 minus 2 is 2**.



# Some double facts with subtraction



$$2 - 1 = 1$$

$$4 - 2 = 2$$

$$6 - 3 = 3$$

$$8 - 4 = 4$$

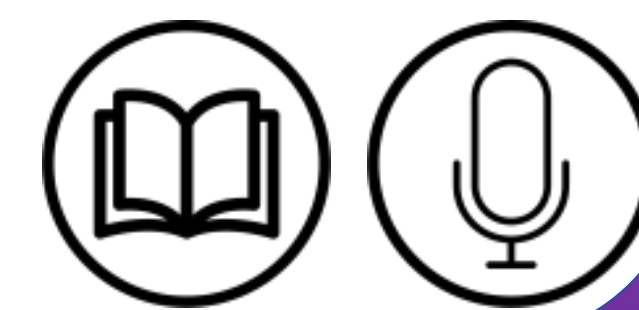
$$10 - 5 = 5$$

$$12 - 6 = 6$$

$$14 - 7 = 7$$

$$16 - 8 = 8$$

$$18 - 9 = 9$$



# Some double facts with subtraction

## Example : 1

Subtract  $22 - 11$

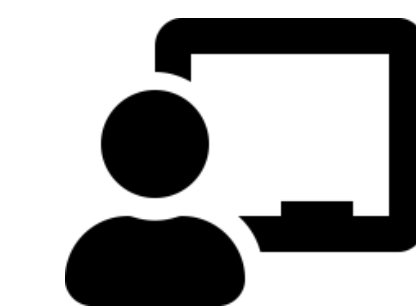
### Solution

	<b>Tens</b>	<b>Ones</b>
	2	2
-	1	1
	<b>1</b>	<b>1</b>

### Step : 1

- Subtract ones place  $2 - 1$   
(Doubles Fact  $(2 - 1 = 1)$ )
- Subtract tens place  $2 - 1$   
(Doubles Fact  $(2 - 1 = 1)$ )

**So, Answer is  $22 - 11 = 11$**



## Example : 2

Subtract  $40 - 20$

### Solution

	Tens	Ones
	4	0
-	2	0
	2	0

### Step : 1

- Subtract ones place  $0 - 0$   
(Doubles Fact ( $0 - 0 = 0$ ))
- Subtract tens place  $4 - 2$   
(Doubles Fact ( $4 - 2 = 2$ ))

**So, Answer is  $40 - 20 = 20$**



## Example : 3

Subtract  $26 - 13$

### Solution

	Tens	Ones
	2	6
-	1	3
	1	3

### Step : 1

- Subtract ones place  $6 - 3$   
(Doubles Fact ( $6 - 3 = 3$ ))
- Subtract tens place  $2 - 1$   
(Doubles Fact ( $2 - 1 = 1$ ))

**So, Answer is  $26 - 13 = 13$**

## Example : 4

Subtract  $48 - 24$

### Solution

	Tens	Ones
	4	8
-	2	4
	2	4

### Step : 1

- Subtract ones place  $8 - 4$   
(Doubles Fact ( $8 - 4 = 4$ ))
- Subtract tens place  $4 - 2$   
(Doubles Fact ( $4 - 2 = 2$ ))

**So, Answer is  $48 - 24 = 24$**

## Example : 5

Subtract  $80 - 40$

### Solution

	Tens	Ones
	8	0
-	4	0
	4	0

### Step : 1

- Subtract ones place  $0 - 0$   
(Doubles Fact ( $0 - 0 = 0$ ))
- Subtract tens place  $8 - 4$   
(Doubles Fact ( $8 - 4 = 4$ ))

**So, Answer is  $80 - 40 = 40$**



## Example : 6

# Subtract 30 - 15

### Solution

	2	10
	<b>Tens</b>	<b>Ones</b>
	<del>3</del>	<del>0</del>
-	1	5
	<b>1</b>	<b>5</b>

- Subtract ones place  $0 < 5$   
Borrow from tens place  
0 becomes 10 and 3 becomes 2
- Now subtract ones place  $10 - 5$   
(Doubles Fact ( $10 - 5 = 5$ ))
- Subtract tens place  $2 - 1$   
(Doubles Fact ( $2 - 1 = 1$ ))

**So, Answer is  $30 - 15 = 15$**

## Example : 7

# Subtract 50 - 25

### Solution

	4	10
	Tens	Ones
	<del>5</del>	<del>0</del>
-	2	5
	<b>2</b>	<b>5</b>

- Subtract ones place  $0 < 5$   
Borrow from tens place  
0 becomes 10 and 5 becomes 4
- Now subtract ones place  $10 - 5$   
(Doubles Fact ( $10 - 5 = 5$ ))
- Subtract tens place  $4 - 2$   
(Doubles Fact ( $4 - 2 = 2$ ))

**So, Answer is  $50 - 25 = 25$**

## Example : 8

### Subtract 32 - 16

#### Solution

	2	12
	<b>Tens</b>	<b>Ones</b>
	<del>3</del>	<del>2</del>
-	1	6
	<b>1</b>	<b>6</b>

- Subtract ones place  $2 < 6$   
Borrow from tens place  
2 becomes 12 and 3 becomes 2
- Now subtract ones place  $12 - 6$   
(Doubles Fact ( $12 - 6 = 6$ ))
- Subtract tens place  $2 - 1$   
(Doubles Fact ( $2 - 1 = 1$ ))

**So, Answer is  $32 - 16 = 16$**

## Example : 9

### Subtract 90 - 45

#### Solution

	8	10
	<b>Tens</b>	<b>Ones</b>
	<del>9</del>	<del>0</del>
-	4	5
	<b>4</b>	<b>5</b>

- Subtract ones place  $0 < 5$   
Borrow from tens place  
0 becomes 10 and 9 becomes 8
- Now subtract ones place  $10 - 5$   
(Doubles Fact ( $10 - 5 = 5$ ))
- Subtract tens place  $8 - 4$   
(Doubles Fact ( $8 - 4 = 4$ ))

**So, Answer is  $90 - 45 = 45$**