





$$1 + 4 = \boxed{5}$$

$$2 + 3 = \boxed{5}$$

Answer:

$$\begin{array}{ccc} & & \\ + & & \\ & & \end{array} = \begin{array}{c} \\ \\ \\ \\ \end{array}$$

**1**      **4**      **5**

Answer:



- $2 + 3 = 5$

**Ex 19:**

$$3 + 2 = \boxed{5}$$

### A.3 ADDING FINGERS WITHIN 5

**Ex 15:**

$$1 + 2 = \boxed{3}$$

Answer:

$$\begin{array}{c} \\ \\ \\ \end{array} + \begin{array}{c} \\ \\ \\ \end{array} = \begin{array}{c} \\ \\ \\ \end{array}$$

•  $1 + 2 = 3$

Answer:



- $3 + 2 = 5$

**Ex 20:**

$$1 + 4 = \boxed{5}$$

**Ex 16:**

$$1 + 3 = \boxed{4}$$

Answer:

$$\begin{array}{c} \\ \\ \\ \end{array} + \begin{array}{c} \\ \\ \\ \end{array} = \begin{array}{c} \\ \\ \\ \end{array}$$

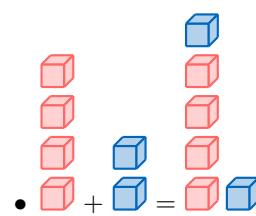
•  $1 + 3 = 4$

### A.4 ADDING CUBES WITHIN 10

**Ex 21:**

$$4 + 2 = \boxed{6}$$

Answer:



**Ex 17:**

$$2 + 2 = \boxed{4}$$

Answer:

$$\begin{array}{c} \\ \\ \\ \end{array} + \begin{array}{c} \\ \\ \\ \end{array} = \begin{array}{c} \\ \\ \\ \end{array}$$

•  $2 + 2 = 4$

**Ex 22:**

**Ex 18:**

$$3 + 4 = \boxed{7}$$

$$4 + 4 = \boxed{8}$$

Answer:

•  $\boxed{3} + \boxed{4} = \boxed{7}$

- $3 + 4 = 7$

Ex 23:

$$5 + 1 = \boxed{6}$$

$$5 + 4 = \boxed{9}$$

Answer:

•  $\boxed{5} + \boxed{1} = \boxed{6}$

- $5 + 1 = 6$

Ex 24:

$$6 + 3 = \boxed{9}$$

Answer:

•  $\boxed{5} + \boxed{4} = \boxed{9}$

- $5 + 4 = 9$

Ex 26:

Ex 27:

Ex 27:

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

Answer:

•  $\boxed{6} + \boxed{3} = \boxed{9}$

- $6 + 3 = 9$

Ex 25:

Answer:

•  $\boxed{5} + \boxed{5} = \boxed{10}$

- $5 + 5 = 10$

Ex 28:



$$6 + 0 = \boxed{6}$$

$\bullet$  + =

Answer:

$\bullet$  + =

- $\bullet$   $6 + 0 = 6$

Ex 29:

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

$\bullet$  + =

Answer:

$\bullet$  + =

- $\bullet$   $7 + 3 = 10$

Ex 30:

$$2 + 6 = \boxed{8}$$

$\bullet$  + =

Answer:

$\bullet$  + =

- $\bullet$   $2 + 6 = 8$

Ex 31:

$$1 + 9 = \boxed{10}$$

$\bullet$  + =

Answer:

$\bullet$  + =

- $\bullet$   $1 + 9 = 10$

#### A.5 ADDING CIRCLES WITHIN 10

Ex 32:

$$2 + 4 = \boxed{6}$$

$\bullet$  + =

Answer:

$\bullet$  + =

- $\bullet$   $2 + 4 = 6$

Ex 33:

$$3 + 5 = \boxed{8}$$

$\bullet$  + =

Answer:

$\bullet$  + =

- $\bullet$   $3 + 5 = 8$

Ex 34:



$$6 + 1 = \boxed{7}$$

Answer:

- $6 + 1 = 7$

Ex 35:

$$5 + 3 = \boxed{8}$$

Answer:

- $5 + 3 = 8$

Ex 36:

$$4 + 4 = \boxed{8}$$

Answer:

- $4 + 4 = 8$

Ex 37:

$$2 + 6 = \boxed{8}$$

Answer:

- $2 + 6 = 8$

Ex 38:

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

Answer:

- $3 + 7 = 10$

Ex 39:

$$5 + 4 = \boxed{9}$$

Answer:

- $5 + 4 = 9$

Ex 40:



$$\begin{array}{|c|c|} \hline \textcolor{red}{\bullet} & \emptyset \\ \hline \textcolor{red}{\bullet} & \textcolor{red}{\bullet} \\ \hline \end{array} + \begin{array}{|c|c|} \hline \emptyset & \emptyset \\ \hline \emptyset & \emptyset \\ \hline \emptyset & \emptyset \\ \hline \textcolor{blue}{\bullet} & \emptyset \\ \hline \textcolor{blue}{\bullet} & \emptyset \\ \hline \textcolor{blue}{\bullet} & \emptyset \\ \hline \end{array} = \boxed{9}$$

## A.6 ADDING FINGERS WITHIN 10

### Ex 43:

$$4 + 2 = \boxed{6}$$
A diagram showing two hands. The left hand has fingers spread wide, representing the number 4. The right hand has the index and middle fingers raised, representing the number 2. Between the hands is a plus sign (+). To the right of the hands is an equals sign (=).

*Answer:*

$$\begin{array}{|c|c|} \hline \bullet & \text{ } \\ \hline \end{array} + \begin{array}{|c|c|} \hline \text{ } & \text{ } \\ \hline \end{array} = \begin{array}{|c|c|} \hline \bullet & \text{ } \\ \hline \end{array}$$

- $$\bullet \text{ } 6 + 3 = 9$$

Ex. 41:

$3 - 5 =$

*Answer:*

$$\begin{array}{|c|c|} \hline & \bullet \\ \hline \bullet & \bullet \\ \hline \end{array} + \begin{array}{|c|c|} \hline & \bullet \\ \hline \bullet & \bullet \\ \hline \end{array} = \begin{array}{|c|c|} \hline & \bullet \\ \hline \bullet & \bullet \\ \hline \end{array}$$

- $$\bullet \quad 4 + 5 = 9$$

Ex 42:

$$\bullet \begin{array}{|c|c|} \hline \textcolor{red}{\bullet} & \textcolor{red}{\bullet} \\ \hline \end{array} + \begin{array}{|c|c|} \hline \textcolor{blue}{\bullet} & \textcolor{white}{\bullet} \\ \hline \textcolor{white}{\bullet} & \textcolor{white}{\bullet} \\ \hline \textcolor{white}{\bullet} & \textcolor{white}{\bullet} \\ \hline \textcolor{white}{\bullet} & \textcolor{white}{\bullet} \\ \hline \end{array} = \begin{array}{|c|c|} \hline \textcolor{red}{\bullet} & \textcolor{red}{\bullet} \\ \hline \textcolor{red}{\bullet} & \textcolor{red}{\bullet} \\ \hline \textcolor{red}{\bullet} & \textcolor{blue}{\bullet} \\ \hline \textcolor{red}{\bullet} & \textcolor{red}{\bullet} \\ \hline \end{array}$$

- $$\bullet \quad 7 + 1 = 8$$

*Answer:*

-   $4 + 2 = 6$

### Ex 44:

$$5 + 3 = \boxed{8}$$

A diagram showing two hands. The left hand has all fingers extended, representing the number 5. The right hand has the thumb and index finger extended, representing the number 3. A plus sign (+) is placed between the hands, and an equals sign (=) is at the end of the right hand's fingers.

*Answer:*

-  +  =
- $5 + 3 = 8$

### *Answer:*

$$\bullet \quad \begin{array}{ccc} \text{ } & \text{ } & \text{ } \end{array} + \begin{array}{c} \text{ } \\ \text{ } \\ \text{ } \end{array} = \begin{array}{c} \text{ } \\ \text{ } \\ \text{ } \end{array}$$

18

$$6 + 1 = \boxed{7}$$


Three hand gestures representing numbers: a hand with all fingers up for 6, a hand with the thumb up for 1, and a plus sign made by two hands pointing towards each other.

4

-  + =

### Ex 47:

$$7 + 2 = \boxed{9}$$


Answer:



- $7 + 2 = 9$

Ex 48:

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

Answer:

- $\begin{array}{c} \text{Hand} \\ + \end{array} \quad \begin{array}{c} \text{Hand} \\ + \end{array} = \begin{array}{c} \text{Hand} \\ \text{Hand} \end{array}$
- $5 + 5 = 10$

Ex 49:

$$3 + 4 = \boxed{7}$$

Answer:

- $\begin{array}{c} \text{Hand} \\ + \end{array} \quad \begin{array}{c} \text{Hand} \\ + \end{array} = \begin{array}{c} \text{Hand} \\ \text{Hand} \end{array}$
- $3 + 4 = 7$

Ex 50:

$$2 + 6 = \boxed{8}$$

Answer:

- $\begin{array}{c} \text{Hand} \\ + \end{array} \quad \begin{array}{c} \text{Hand} \\ \text{Hand} \end{array} = \begin{array}{c} \text{Hand} \\ \text{Hand} \end{array}$
- $2 + 6 = 8$

Ex 51:

$$1 + 9 = \boxed{10}$$

Answer:

- $\begin{array}{c} \text{Hand} \\ + \end{array} \quad \begin{array}{c} \text{Hand} \\ \text{Hand} \end{array} = \begin{array}{c} \text{Hand} \\ \text{Hand} \end{array}$
- $1 + 9 = 10$

## B HOW TO ADD?

### B.1 ADDING NUMBERS WITHIN 5

Ex 52:

$$1 + 2 = \boxed{3}$$

Answer:

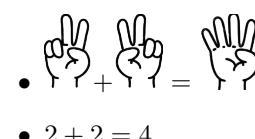


- $1 + 2 = 3$

Ex 53:

$$2 + 2 = \boxed{4}$$

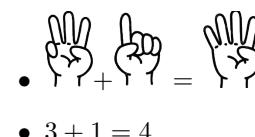
Answer:



Ex 54:

$$3 + 1 = \boxed{4}$$

Answer:

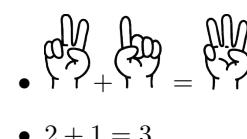


- $3 + 1 = 4$

Ex 55:

$$2 + 1 = \boxed{3}$$

Answer:

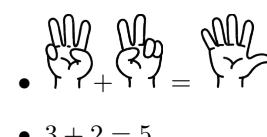


- $2 + 1 = 3$

Ex 56:

$$3 + 2 = \boxed{5}$$

Answer:



- $3 + 2 = 5$

Ex 57:

$$1 + 4 = \boxed{5}$$

Answer:

-  +  = 
- $1 + 4 = 5$

Ex 58:

$$1 + 3 = \boxed{4}$$

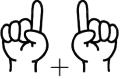
Answer:

-  +  = 
- $1 + 3 = 4$

Ex 59:

$$1 + 1 = \boxed{2}$$

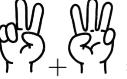
Answer:

-  +  = 
- $1 + 1 = 2$

Ex 60:

$$2 + 3 = \boxed{5}$$

Answer:

-  +  = 
- $2 + 3 = 5$

Ex 61:

$$4 + 1 = \boxed{5}$$

Answer:

-  +  = 
- $4 + 1 = 5$

## B.2 ADDING FRUITS WITHIN 10

Ex 62:

$$\begin{array}{r} 4 + 3 = \boxed{7} \\ \text{Red apples} \quad \text{Blue apples} \\ + \quad \quad \quad = \end{array}$$

Answer:

-  +   
 $4 + 3 = 7$
-  +   
 $4 + 3 = 7$
-  +   
 $4 + 3 = 7$
-  +   
 $4 + 3 = 7$

Ex 63:

$$\begin{array}{r} 7 + 2 = \boxed{9} \\ \text{Red apples} \quad \text{Blue apples} \\ + \quad \quad \quad = \end{array}$$

Answer:

-  +   
 $7 + 2 = 9$
-  +   
 $7 + 2 = 9$
-  +   
 $7 + 2 = 9$

Ex 64:

$$\begin{array}{r} 5 + 2 = \boxed{7} \\ \text{Red apples} \quad \text{Blue apples} \\ + \quad \quad \quad = \end{array}$$

Answer:

-  +   
 $5 + 2 = 7$
-  +   
 $5 + 2 = 7$
-  +   
 $5 + 2 = 7$



**Ex 65:**

$$\begin{array}{c} 5 + 3 = \boxed{8} \\ \text{Red apples} + \text{Blue apples} = \end{array}$$

Answer:

-  + 
-  + 
-  + 
-  +  =   
 $5 + 3 = 8$

**Ex 66:**

$$\begin{array}{c} 8 + 2 = \boxed{10} \\ \text{Red apples} + \text{Blue apples} = \end{array}$$

Answer:

-  + 
-  + 
-  +  =   
 $8 + 2 = 10$

**Ex 67:**

$$\begin{array}{c} 7 + 3 = \boxed{10} \\ \text{Red apples} + \text{Blue apples} = \end{array}$$

Answer:

-  + 
-  + 
-  + 
-  +  =   
 $7 + 3 = 10$

**Ex 68:**

$$\begin{array}{c} 4 + 3 = \boxed{7} \\ \text{Red apples} + \text{Yellow lemons} = \end{array}$$

Answer:

-  + 
-  + 
-  + 
-  +  =   
 $4 + 3 = 7$

**Ex 69:**

$$\begin{array}{c} 7 + 2 = \boxed{9} \\ \text{Red apples} + \text{Yellow lemons} = \end{array}$$

Answer:

-  + 
-  + 
-  +  =   
 $7 + 2 = 9$

**Ex 70:**

$$\begin{array}{c} 5 + 2 = \boxed{7} \\ \text{Red apples} + \text{Yellow lemons} = \end{array}$$

Answer:

-  + 
-  + 
-  +  =   
 $5 + 2 = 7$

**Ex 71:**

$$\begin{array}{c} 5 + 3 = \boxed{8} \\ \text{Red apples} + \text{Yellow lemons} = \end{array}$$



Answer:

•  +   
 $5 + 3 = 8$

•  +   
 $6 + 2 = 8$

•  +   
 $7 + 3 = 10$

•  +   
 $8 + 2 = 10$

Ex 72:

 +   
 $8 + 2 = 10$

Answer:

•  +   
 $8 + 2 = 10$

•  +   
 $9 + 1 = 10$

•  +   
 $10 + 0 = 10$

Ex 73:

 +   
 $7 + 3 = 10$

Answer:

•  +   
 $7 + 3 = 10$

•  +   
 $8 + 2 = 10$

•  +   
 $9 + 1 = 10$

•  +   
 $10 + 0 = 10$

### B.3 ADDING NUMBERS WITHIN 10

Ex 74:

$4 + 3 = \boxed{7}$

Answer:

•  +   
 $4 + 3 = 7$

•  +   
 $5 + 2 = 7$

•  +   
 $6 + 1 = 7$

•  +   
 $7 + 0 = 7$

Ex 75:

$7 + 2 = \boxed{9}$

Answer:

•  +   
 $7 + 2 = 9$

•  +   
 $8 + 1 = 9$

•  +   
 $9 + 0 = 9$

Ex 76:

$5 + 2 = \boxed{7}$

Answer:

•  +   
 $5 + 2 = 7$

•  +   
 $6 + 1 = 7$

•  +   
 $7 + 0 = 7$

Ex 77:

$5 + 3 = \boxed{8}$

Answer:



-  +   
5
-  +   
6
-  +   
7
-  +   
8  
 $5 + 3 = 8$

Ex 78:

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

Answer:

-  +   
8
-  +   
9
-  +   
10  
 $8 + 2 = 10$

Ex 79:

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

Answer:

-  +   
7
-  +   
8
-  +   
9
-  +   
10  
 $7 + 3 = 10$

Ex 80:

$$4 + 3 = \boxed{7}$$

Answer:

-  +   
4

-  +   
5
-  +   
6
-  +   
7  
 $4 + 3 = 7$

Ex 81:

$$7 + 2 = \boxed{9}$$

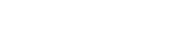
Answer:

-  +   
7
-  +   
8
-  +   
9  
 $7 + 2 = 9$

Ex 82:

$$5 + 2 = \boxed{7}$$

Answer:

-  +   
5
-  +   
6
-  +   
7  
 $5 + 2 = 7$

Ex 83:

$$5 + 3 = \boxed{8}$$

Answer:

-  +   
5
-  +   
6
-  +   
7

• + =

$5 + 3 = 8$

$2 + 4 = \boxed{6}$

Answer:

Ex 84:

$8 + 2 = \boxed{10}$

Answer:

• +

$9$

• +

$10$

• + =

$8 + 2 = 10$

Ex 88:

$5 + 3 = \boxed{8}$

Answer:

Ex 85:

$7 + 3 = \boxed{10}$

Answer:

• +

$8$

• +

$9$

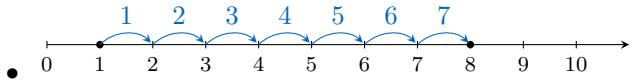
• + =

$7 + 3 = 10$

Ex 89:

$1 + 7 = \boxed{8}$

Answer:

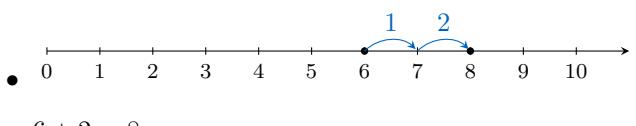


•  $1 + 7 = 8$

Ex 90:

$6 + 2 = \boxed{8}$

Answer:



•  $6 + 2 = 8$

## C ADDING USING NUMBER LINE

### C.1 ADDING NUMBERS USING THE NUMBER LINE

Ex 86:

$3 + 4 = \boxed{7}$

Answer:

• +

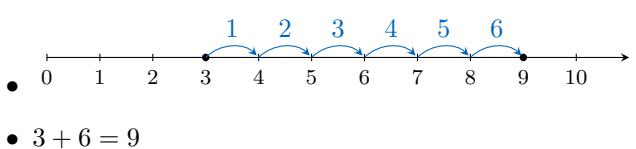
$7$

•  $3 + 4 = 7$

Ex 91:

$3 + 6 = \boxed{9}$

Answer:



•  $3 + 6 = 9$

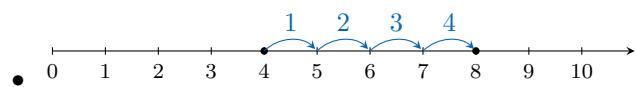
Ex 87:

Ex 92:



$$4 + 4 = \boxed{8}$$

Answer:



- $4 + 4 = 8$