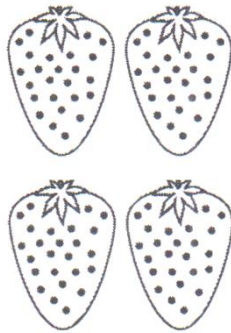
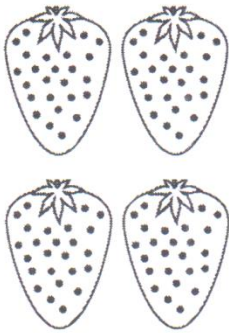
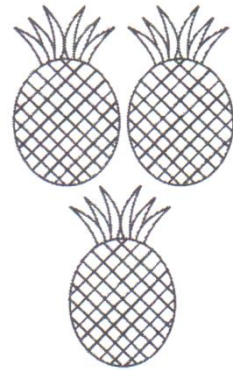
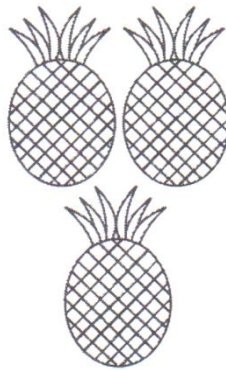


Mental math
Addition Strategies-
Adding tens and ones
Adding Doubles
Adding Double plus one
Trick With 10, 9, 8

Doubles



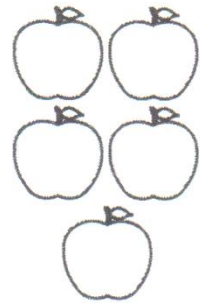
$$4 + 4 = \square$$



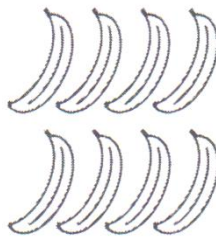
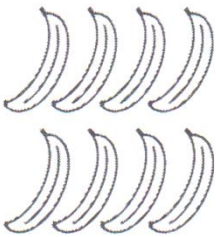
$$3 + 3 = \square$$



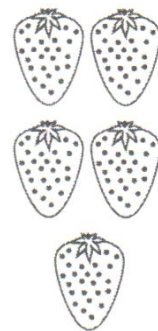
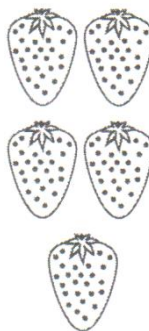
$$2 + 2 = \square$$



$$5 + 5 = \square$$

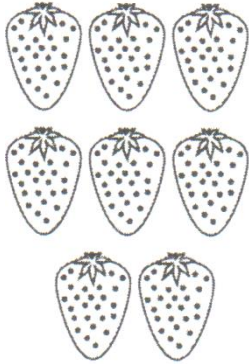


$$8 + 8 = \square$$

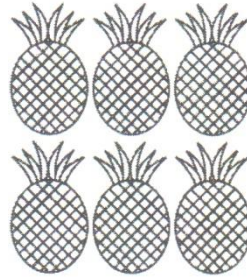
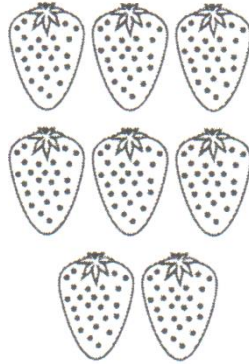


$$5 + 5 = \square$$

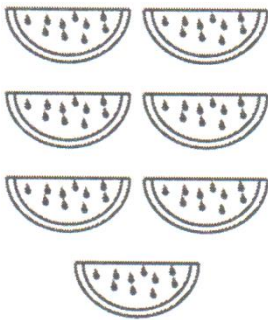
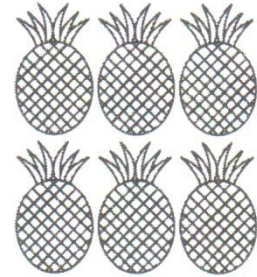
Doubles



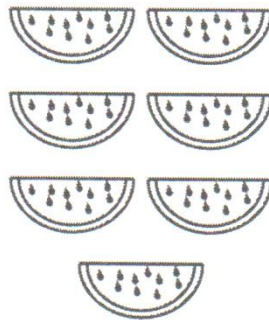
$$8 + 8 = \square$$



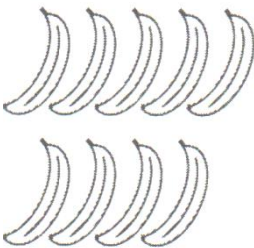
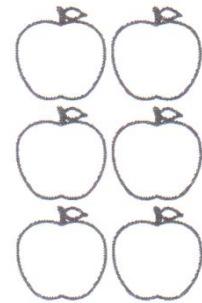
$$6 + 6 = \square$$



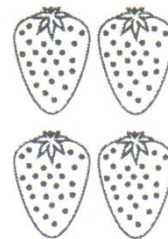
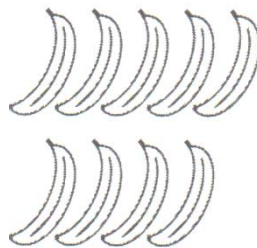
$$7 + 7 = \square$$



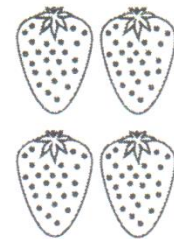
$$6 + 6 = \square$$



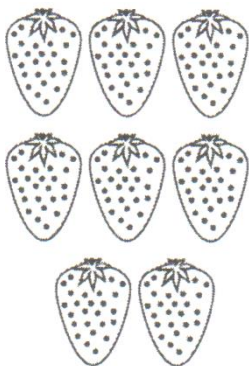
$$9 + 9 = \square$$



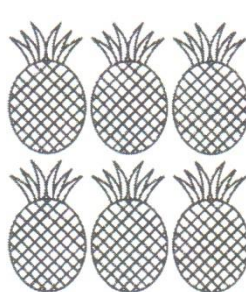
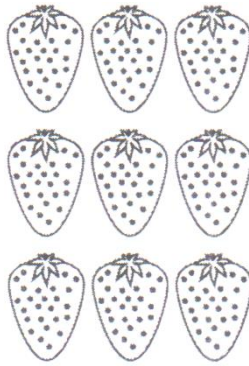
$$4 + 4 = \square$$



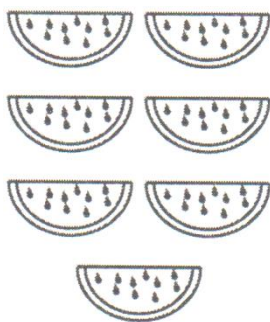
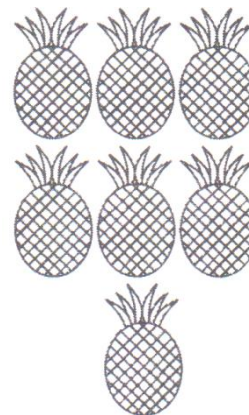
Doubles Plus One



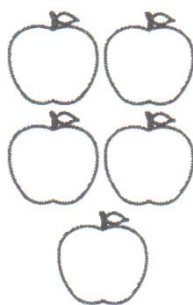
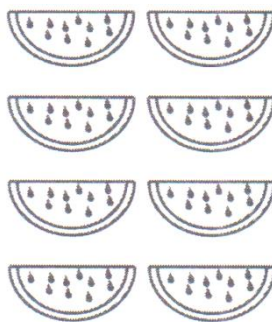
$$8 + 9 = \square$$



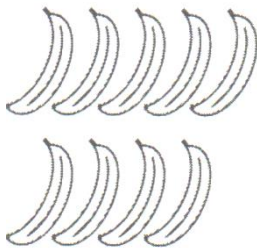
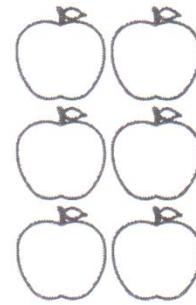
$$6 + 7 = \square$$



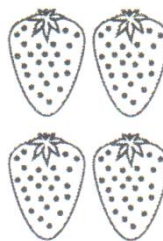
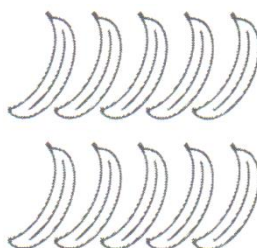
$$7 + 8 = \square$$



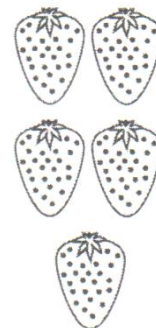
$$5 + 6 = \square$$



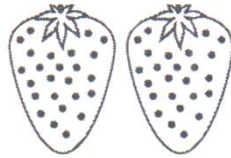
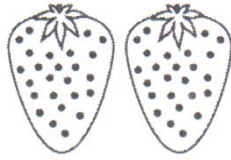
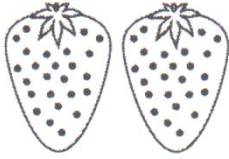
$$9 + 10 = \square$$



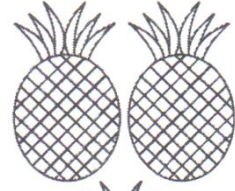
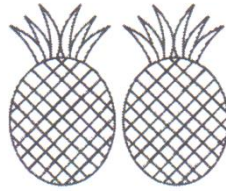
$$4 + 5 = \square$$



Doubles Plus One



$$3 + 4 = \square$$



$$2 + 3 = \square$$



$$1 + 2 = \square$$



$$5 + 6 = \square$$

$$\begin{array}{r} 4 \quad 5 \quad 0 \quad 1 \quad 2 \quad 3 \quad 2 \quad 1 \quad 5 \quad 0 \\ + \underline{4} \quad + \underline{5} \quad + \underline{0} \quad + \underline{1} \quad + \underline{2} \quad + \underline{3} \quad + \underline{2} \quad + \underline{1} \quad + \underline{5} \quad + \underline{0} \end{array}$$

$$\begin{array}{r} 5 \quad 2 \quad 1 \quad 0 \quad 3 \quad 4 \quad 1 \quad 3 \quad 4 \quad 5 \\ + \underline{5} \quad + \underline{2} \quad + \underline{1} \quad + \underline{0} \quad + \underline{3} \quad + \underline{4} \quad + \underline{1} \quad + \underline{3} \quad + \underline{4} \quad + \underline{5} \end{array}$$

$$\begin{array}{r} 4 \quad 1 \quad 3 \quad 2 \quad 0 \quad 5 \quad 3 \quad 2 \quad 1 \quad 4 \\ + \underline{4} \quad + \underline{1} \quad + \underline{3} \quad + \underline{2} \quad + \underline{0} \quad + \underline{5} \quad + \underline{3} \quad + \underline{2} \quad + \underline{1} \quad + \underline{4} \end{array}$$

$$\begin{array}{r} 2 \quad 5 \quad 4 \quad 3 \quad 1 \quad 4 \quad 3 \quad 5 \quad 2 \quad 1 \\ + \underline{2} \quad + \underline{5} \quad + \underline{4} \quad + \underline{3} \quad + \underline{1} \quad + \underline{4} \quad + \underline{3} \quad + \underline{5} \quad + \underline{2} \quad + \underline{1} \end{array}$$

$$\begin{array}{r} 5 \quad 1 \quad 3 \quad 4 \quad 2 \quad 1 \quad 4 \quad 3 \quad 5 \quad 2 \\ + \underline{5} \quad + \underline{1} \quad + \underline{3} \quad + \underline{4} \quad + \underline{2} \quad + \underline{1} \quad + \underline{4} \quad + \underline{3} \quad + \underline{5} \quad + \underline{2} \end{array}$$

$$\begin{array}{r} 1 \quad 2 \quad 4 \quad 3 \quad 5 \quad 5 \quad 3 \quad 2 \quad 1 \quad 4 \\ + \underline{1} \quad + \underline{2} \quad + \underline{4} \quad + \underline{3} \quad + \underline{5} \quad + \underline{5} \quad + \underline{3} \quad + \underline{2} \quad + \underline{1} \quad + \underline{4} \end{array}$$

$$\begin{array}{r} 5 \quad 1 \quad 3 \quad 4 \quad 2 \quad 1 \quad 5 \quad 4 \quad 2 \quad 3 \\ + \underline{5} \quad + \underline{1} \quad + \underline{3} \quad + \underline{4} \quad + \underline{2} \quad + \underline{1} \quad + \underline{5} \quad + \underline{4} \quad + \underline{2} \quad + \underline{3} \end{array}$$

$$\begin{array}{r} 5 \quad 3 \quad 2 \quad 1 \quad 4 \quad 5 \quad 4 \quad 1 \quad 3 \quad 2 \\ + \underline{5} \quad + \underline{3} \quad + \underline{2} \quad + \underline{1} \quad + \underline{4} \quad + \underline{5} \quad + \underline{4} \quad + \underline{1} \quad + \underline{3} \quad + \underline{2} \end{array}$$

Adding Double plus 1

Double plus one:

The double of something means twice (two times) that thing. For example, “double four” means 4 and 4. So double 4 is 8. How much is double 3? Double 5?

Double six, or $6 + 6$ is 12.

We can use that to find $6 + 7$. It is just one more! It is 13.

1. On the right you see a doubles chart. you can use it for the addition problems below. Think of “Just one more!”

a. $7 + 6 =$ _____

b. $7 + 7 =$ _____

c. $9 + 8 =$ _____

d. $8 + 8 =$ _____

e. $5 + 6 =$ _____

f. $9 + 10 =$ _____

g. $7 + 8 =$ _____

h. $9 + 9 =$ _____

i. $6 + 5 =$ _____

j. $8 + 9 =$ _____

k. $6 + 7 =$ _____

l. $8 + 7 =$ _____

$5 + 5 = 10$

$6 + 6 = 12$

$7 + 7 = 14$

$8 + 8 = 16$

$9 + 9 = 18$

Practice:

$\begin{array}{r} 2 \\ + 1 \\ \hline \end{array}$ $\begin{array}{r} 5 \\ + 4 \\ \hline \end{array}$ $\begin{array}{r} 0 \\ + 1 \\ \hline \end{array}$ $\begin{array}{r} 3 \\ + 2 \\ \hline \end{array}$ $\begin{array}{r} 4 \\ + 3 \\ \hline \end{array}$ $\begin{array}{r} 3 \\ + 4 \\ \hline \end{array}$ $\begin{array}{r} 1 \\ + 2 \\ \hline \end{array}$ $\begin{array}{r} 3 \\ + 2 \\ \hline \end{array}$ $\begin{array}{r} 0 \\ + 1 \\ \hline \end{array}$ $\begin{array}{r} 5 \\ + 4 \\ \hline \end{array}$

$\begin{array}{r} 5 \\ + 4 \\ \hline \end{array}$ $\begin{array}{r} 3 \\ + 4 \\ \hline \end{array}$ $\begin{array}{r} 2 \\ + 1 \\ \hline \end{array}$ $\begin{array}{r} 4 \\ + 5 \\ \hline \end{array}$ $\begin{array}{r} 2 \\ + 3 \\ \hline \end{array}$ $\begin{array}{r} 2 \\ + 1 \\ \hline \end{array}$ $\begin{array}{r} 4 \\ + 3 \\ \hline \end{array}$ $\begin{array}{r} 0 \\ + 1 \\ \hline \end{array}$ $\begin{array}{r} 3 \\ + 2 \\ \hline \end{array}$ $\begin{array}{r} 1 \\ + 0 \\ \hline \end{array}$

$\begin{array}{r} 0 \\ + 1 \\ \hline \end{array}$ $\begin{array}{r} 4 \\ + 5 \\ \hline \end{array}$ $\begin{array}{r} 4 \\ + 3 \\ \hline \end{array}$ $\begin{array}{r} 2 \\ + 1 \\ \hline \end{array}$ $\begin{array}{r} 3 \\ + 4 \\ \hline \end{array}$ $\begin{array}{r} 2 \\ + 3 \\ \hline \end{array}$ $\begin{array}{r} 5 \\ + 4 \\ \hline \end{array}$ $\begin{array}{r} 2 \\ + 1 \\ \hline \end{array}$ $\begin{array}{r} 0 \\ + 1 \\ \hline \end{array}$ $\begin{array}{r} 2 \\ + 3 \\ \hline \end{array}$

$\begin{array}{r} 3 \\ + 2 \\ \hline \end{array}$ $\begin{array}{r} 4 \\ + 3 \\ \hline \end{array}$ $\begin{array}{r} 1 \\ + 2 \\ \hline \end{array}$ $\begin{array}{r} 4 \\ + 5 \\ \hline \end{array}$ $\begin{array}{r} 1 \\ + 0 \\ \hline \end{array}$ $\begin{array}{r} 2 \\ + 1 \\ \hline \end{array}$ $\begin{array}{r} 3 \\ + 4 \\ \hline \end{array}$ $\begin{array}{r} 1 \\ + 0 \\ \hline \end{array}$ $\begin{array}{r} 4 \\ + 5 \\ \hline \end{array}$ $\begin{array}{r} 2 \\ + 3 \\ \hline \end{array}$

$$\begin{array}{r}
 3 \quad 1 \quad 4 \quad 2 \quad 2 \quad 4 \quad 2 \quad 1 \quad 1 \quad 4 \\
 + \underline{4} \quad + \underline{0} \quad + \underline{5} \quad + \underline{1} \quad + \underline{3} \quad + \underline{3} \quad + \underline{3} \quad + \underline{0} \quad + \underline{2} \quad + \underline{5}
 \end{array}$$

$$\begin{array}{r}
 4 \quad 4 \quad 2 \quad 2 \quad 1 \quad 2 \quad 4 \quad 4 \quad 1 \quad 2 \\
 + \underline{5} \quad + \underline{3} \quad + \underline{1} \quad + \underline{3} \quad + \underline{0} \quad + \underline{1} \quad + \underline{5} \quad + \underline{3} \quad + \underline{0} \quad + \underline{3}
 \end{array}$$

$$\begin{array}{r}
 4 \quad 4 \quad 1 \quad 1 \quad 2 \quad 5 \quad 1 \quad 2 \quad 4 \quad 2 \\
 + \underline{3} \quad + \underline{5} \quad + \underline{0} \quad + \underline{2} \quad + \underline{3} \quad + \underline{4} \quad + \underline{0} \quad + \underline{3} \quad + \underline{3} \quad + \underline{1}
 \end{array}$$

$$\begin{array}{r}
 4 \quad 3 \quad 2 \quad 1 \quad 1 \quad 2 \quad 3 \quad 0 \quad 4 \quad 4 \\
 + \underline{5} \quad + \underline{4} \quad + \underline{1} \quad + \underline{0} \quad + \underline{2} \quad + \underline{3} \quad + \underline{2} \quad + \underline{1} \quad + \underline{5} \quad + \underline{3}
 \end{array}$$

$$\begin{array}{r}
 4 \quad 3 \quad 1 \quad 4 \quad 5 \quad 1 \quad 2 \quad 4 \quad 1 \quad 2 \\
 + \underline{5} \quad + \underline{2} \quad + \underline{2} \quad + \underline{3} \quad + \underline{4} \quad + \underline{2} \quad + \underline{3} \quad + \underline{3} \quad + \underline{2} \quad + \underline{3}
 \end{array}$$

$$\begin{array}{r}
 3 \quad 4 \quad 4 \quad 1 \quad 2 \quad 5 \quad 3 \quad 3 \quad 4 \quad 3 \\
 + \underline{2} \quad + \underline{5} \quad + \underline{3} \quad + \underline{2} \quad + \underline{1} \quad + \underline{4} \quad + \underline{4} \quad + \underline{2} \quad + \underline{5} \quad + \underline{4}
 \end{array}$$

$$\begin{array}{r}
 1 \quad 3 \quad 4 \quad 3 \quad 5 \quad 3 \quad 1 \quad 3 \quad 4 \quad 2 \\
 + \underline{2} \quad + \underline{2} \quad + \underline{5} \quad + \underline{4} \quad + \underline{4} \quad + \underline{2} \quad + \underline{2} \quad + \underline{4} \quad + \underline{3} \quad + \underline{1}
 \end{array}$$

$$\begin{array}{r}
 3 \quad 2 \quad 3 \quad 4 \quad 1 \quad 5 \quad 3 \quad 1 \quad 2 \quad 4 \\
 + \underline{4} \quad + \underline{1} \quad + \underline{2} \quad + \underline{5} \quad + \underline{2} \quad + \underline{4} \quad + \underline{2} \quad + \underline{2} \quad + \underline{3} \quad + \underline{3}
 \end{array}$$

$$\begin{array}{r}
 2 \quad 4 \quad 4 \quad 1 \quad 3 \quad 4 \quad 4 \quad 2 \quad 3 \quad 1 \\
 + \underline{3} \quad + \underline{5} \quad + \underline{3} \quad + \underline{2} \quad + \underline{2} \quad + \underline{5} \quad + \underline{3} \quad + \underline{1} \quad + \underline{4} \quad + \underline{2}
 \end{array}$$

$$\begin{array}{r}
 1 \quad 4 \quad 4 \quad 3 \quad 3 \quad 2 \quad 2 \quad 5 \quad 4 \quad 4 \\
 + \underline{2} \quad + \underline{3} \quad + \underline{5} \quad + \underline{2} \quad + \underline{4} \quad + \underline{1} \quad + \underline{3} \quad + \underline{4} \quad + \underline{5} \quad + \underline{3}
 \end{array}$$

$$\begin{array}{r}
 3 \quad 2 \quad 3 \quad 5 \quad 2 \quad 5 \quad 3 \quad 1 \quad 2 \quad 4 \\
 + \underline{2} + \underline{1} + \underline{4} + \underline{4} + \underline{3} + \underline{4} + \underline{4} + \underline{2} + \underline{1} + \underline{5}
 \end{array}$$

$$\begin{array}{r}
 3 \quad 4 \quad 2 \quad 2 \quad 5 \quad 2 \quad 2 \quad 4 \quad 4 \quad 4 \\
 + \underline{4} + \underline{5} + \underline{1} + \underline{3} + \underline{4} + \underline{3} + \underline{1} + \underline{3} + \underline{5} + \underline{3}
 \end{array}$$

$$\begin{array}{r}
 5 \quad 3 \quad 0 \quad 7 \quad 2 \quad 5 \quad 9 \quad 8 \quad 2 \quad 8 \\
 + \underline{4} + \underline{4} + \underline{1} + \underline{6} + \underline{1} + \underline{6} + \underline{10} + \underline{7} + \underline{3} + \underline{9}
 \end{array}$$

$$\begin{array}{r}
 8 \quad 2 \quad 5 \quad 0 \quad 8 \quad 10 \quad 6 \quad 5 \quad 2 \quad 4 \\
 + \underline{9} + \underline{3} + \underline{4} + \underline{1} + \underline{7} + \underline{9} + \underline{7} + \underline{6} + \underline{1} + \underline{3}
 \end{array}$$

$$\begin{array}{r}
 3 \quad 10 \quad 6 \quad 8 \quad 4 \quad 5 \quad 1 \quad 0 \quad 6 \quad 8 \\
 + \underline{2} + \underline{9} + \underline{7} + \underline{9} + \underline{3} + \underline{4} + \underline{2} + \underline{1} + \underline{5} + \underline{7}
 \end{array}$$

$$\begin{array}{r}
 1 \quad 2 \quad 1 \quad 7 \quad 4 \quad 9 \quad 4 \quad 9 \quad 7 \quad 5 \\
 + \underline{2} + \underline{3} + \underline{0} + \underline{6} + \underline{5} + \underline{10} + \underline{3} + \underline{8} + \underline{8} + \underline{6}
 \end{array}$$

$$\begin{array}{r}
 9 \quad 4 \quad 4 \quad 7 \quad 1 \quad 9 \quad 6 \quad 0 \quad 2 \quad 8 \\
 + \underline{8} + \underline{5} + \underline{3} + \underline{6} + \underline{2} + \underline{10} + \underline{5} + \underline{1} + \underline{3} + \underline{7}
 \end{array}$$

$$\begin{array}{r}
 10 \quad 5 \quad 5 \quad 1 \quad 1 \quad 8 \quad 6 \quad 4 \quad 8 \quad 2 \\
 + \underline{9} + \underline{6} + \underline{4} + \underline{2} + \underline{0} + \underline{9} + \underline{7} + \underline{3} + \underline{7} + \underline{3}
 \end{array}$$

$$\begin{array}{r}
 8 \quad 1 \quad 9 \quad 5 \quad 6 \quad 6 \quad 3 \quad 2 \quad 2 \quad 8 \\
 + \underline{9} + \underline{0} + \underline{10} + \underline{4} + \underline{7} + \underline{5} + \underline{4} + \underline{3} + \underline{1} + \underline{7}
 \end{array}$$

$$\begin{array}{r}
 6 \quad 2 \quad 3 \quad 10 \quad 0 \quad 8 \quad 7 \quad 4 \quad 8 \quad 2 \\
 + \underline{5} + \underline{3} + \underline{4} + \underline{9} + \underline{1} + \underline{7} + \underline{6} + \underline{5} + \underline{9} + \underline{1}
 \end{array}$$

Make 10

Addition

| Pair Numbers | Addition | Addition 2 |
|--------------|-------------------------------|------------------------------|
| 1, 9 | $1 + \underline{\quad} = 10$ | $9 + \underline{\quad} = 10$ |
| 2, 8 | $2 + \underline{\quad} = 10$ | $8 + \underline{\quad} = 10$ |
| 3, 7 | $3 + \underline{\quad} = 10$ | $7 + \underline{\quad} = 10$ |
| 4, 6 | $4 + \underline{\quad} = 10$ | $6 + \underline{\quad} = 10$ |
| 5, 5 | $5 + \underline{\quad} = 10$ | $\underline{\quad} + 5 = 10$ |
| 0, 10 | $10 + \underline{\quad} = 10$ | $\underline{\quad} + 0 = 10$ |

Making 10

$2 + \square = 10$

$8 + \square = 10$

$7 + \square = 10$

$3 + \square = 10$

$4 + \square = 10$

$6 + \square = 10$

$5 + \square = 10$

$9 + \square = 10$

Making 10

$$\square + \square = 10$$

$$\square + \square = 10$$

$$\square + \square = 10$$

$$\square + \square = 10$$

$$\square + \square = 10$$

$$\square + \square = 10$$

Add Using “Just One More”

Do you remember the numbers that add up to 10 (the sums of 10)? There are 9 and 1, and what others? List them now.

JUST ONE MORE than a sum of 10:

$8 + \underline{2} = 10$ $8 + 3$ is Just One more than $8 + 2$, so the answer $8 + \underline{3} = 11$ is also just one more.

$\underline{5} + 5 = 10$ $6 + 5$ is just one more than $5 + 5$, so the answer $\underline{6} + 5 = 11$ is also just one more.

2. Change the underlined number to be just one more. The answer changes, too!

| | | |
|--|--|--|
| a. $8 + \underline{2} = 10$ $8 + \underline{\quad} = \underline{\quad}$ | b. $4 + \underline{6} = 10$ $4 + \underline{\quad} = \underline{\quad}$ | c. $\underline{7} + 3 = 10$ $\underline{\quad} + \underline{3} = \underline{\quad}$ |
| d. $\underline{1} + 9 = 10$ $\underline{\quad} + 9 = \underline{\quad}$ | e. $5 + \underline{5} = 10$ $5 + \underline{\quad} = \underline{\quad}$ | c. $6 + 4 = 10$ $\underline{\quad} + 4 = \underline{\quad}$ |

3. Find the missing numbers.

| | | |
|---|---|---|
| a. $7 + \boxed{\quad} = 10$ $7 + \boxed{\quad} = 11$ | b. $8 + \boxed{\quad} = 10$ $8 + \boxed{\quad} = 11$ | c. $6 + \boxed{\quad} = 10$ $6 + \boxed{\quad} = 11$ |
| d. $5 + \boxed{\quad} = 11$ | d. $9 + \boxed{\quad} = 11$ | d. $3 + \boxed{\quad} = 11$ |

4. Add. Think of Just one More. Color the problems where you use that idea!

| a. | b. | c. | d. |
|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| $7 + 4 = \underline{\quad}$ | $5 + 6 = \underline{\quad}$ | $4 + 6 = \underline{\quad}$ | $2 + 9 = \underline{\quad}$ |
| $3 + 8 = \underline{\quad}$ | $3 + 7 = \underline{\quad}$ | $2 + 8 = \underline{\quad}$ | $5 + 6 = \underline{\quad}$ |
| $5 + 5 = \underline{\quad}$ | $6 + 4 = \underline{\quad}$ | $7 + 4 = \underline{\quad}$ | $3 + 7 = \underline{\quad}$ |

Adding 10 and ones

$$\begin{array}{r} 2 \quad 8 \quad 5 \quad 4 \quad 10 \quad 1 \quad 9 \quad 7 \quad 0 \quad 6 \\ + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 \end{array}$$

$$\begin{array}{r} 4 \quad 5 \quad 9 \quad 10 \quad 3 \quad 2 \quad 8 \quad 1 \quad 6 \quad 7 \\ + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 \end{array}$$

$$\begin{array}{r} 1 \quad 7 \quad 2 \quad 4 \quad 0 \quad 9 \quad 10 \quad 8 \quad 5 \quad 3 \\ + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 \end{array}$$

$$\begin{array}{r} 1 \quad 7 \quad 2 \quad 4 \quad 0 \quad 9 \quad 10 \quad 8 \quad 5 \quad 3 \\ + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 \end{array}$$

$$\begin{array}{r} 2 \quad 1 \quad 3 \quad 5 \quad 7 \quad 4 \quad 0 \quad 6 \quad 8 \quad 9 \\ + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 \end{array}$$

$$\begin{array}{r} 5 \quad 2 \quad 6 \quad 8 \quad 1 \quad 0 \quad 7 \quad 10 \quad 4 \quad 3 \\ + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 \end{array}$$

$$\begin{array}{r} 6 \quad 4 \quad 9 \quad 10 \quad 0 \quad 2 \quad 3 \quad 5 \quad 8 \quad 1 \\ + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 \end{array}$$

$$\begin{array}{r} 1 \quad 0 \quad 7 \quad 4 \quad 5 \quad 3 \quad 10 \quad 6 \quad 2 \quad 9 \\ + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 \end{array}$$

$$\begin{array}{r} 9 \quad 1 \quad 0 \quad 6 \quad 4 \quad 10 \quad 3 \quad 8 \quad 7 \quad 2 \\ + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 \end{array}$$

$$\begin{array}{r} 4 \quad 9 \quad 10 \quad 2 \quad 7 \quad 3 \quad 8 \quad 5 \quad 0 \quad 1 \\ + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 \end{array}$$

$$\begin{array}{r} 1 \quad 3 \quad 9 \quad 10 \quad 5 \quad 2 \quad 0 \quad 4 \quad 7 \quad 6 \\ + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 \end{array}$$

A “Trick” With Nine and Eight

A “trick” with 9

Imagine that 9 wants to be ten! It’s not happy—
It wants to become a full TEN!



So, nine asks the other number (this time, 7) to
give him some in order to make himself to be a ten.

$$\begin{array}{r}
 9 \qquad 7 \\
 \downarrow \quad \downarrow \\
 10 \qquad 6 =
 \end{array}$$

Seven says, “OK,” gives one to 9, and has only
six left for himself.
16

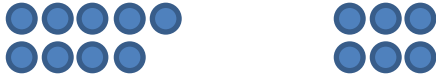



in the end, we have 10 and 6. We get 16.

We can also show the same thing this way –

$$\begin{array}{r}
 9 + 7 \\
 9 + 1 + 6 \\
 10 + 6 = 16
 \end{array}$$

Notice: It will also work if the second
number is 9. Why? because you can add
in any order. $5 + 9$ is the same as $9 + 5$.

1. Circle all of the blue marbles and some of the yellow ones so that you get a ten.
Add.

| | |
|---|--|
| <p>a. $9 + 6$</p>  <p style="text-align: center;">$10 + \underline{5} = \underline{\quad}$</p> | <p>b. $9 + 4$</p>  <p style="text-align: center;">$10 + \underline{\quad} = \underline{\quad}$</p> |
| <p>c. $9 + 3$</p>  <p style="text-align: center;">$10 + \underline{\quad} = \underline{\quad}$</p> | <p>d. $9 + 5$</p>  <p style="text-align: center;">$10 + \underline{\quad} = \underline{\quad}$</p> |

2. Fill in the blanks. Imagine that nine wants to become a ten.

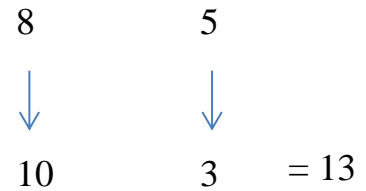
| | | |
|---|---|---|
| <p>a. $9 + 8$</p> $9 + \underline{\quad} + \underline{7}$ $10 + \underline{\quad} = \underline{\quad}$ | <p>a. $9 + 7$</p> $9 + \underline{\quad} + \underline{7}$ $10 + \underline{\quad} = \underline{\quad}$ | <p>a. $9 + 9$</p> $9 + \underline{\quad} + \underline{7}$ $10 + \underline{\quad} = \underline{\quad}$ |
|---|---|---|

A “trick” with nine

Imagine that 8 wants to be ten! It’s not happy—
It wants to become a full TEN!



So, eight asks the other number (this time, 5) to
give him some in order to make himself to be a ten.



Seven says, “OK,” gives one to 8, and has only
six left for himself.

in the end, we have 10 and 3. We get 13.

We can also show the same thing this way –

$$8 + 5$$

$$8 + \underline{2} + \underline{3}$$

$$10 + 3 = 13$$

3. Circle all of the blue marbles and some of the yellow ones so that you get a ten. Add.

| | |
|---|---|
| <p>a. $8 + 6$</p> $10 + \underline{\quad} = \underline{\quad}$ | <p>b. $8 + 7$</p> $10 + \underline{\quad} = \underline{\quad}$ |
| <p>c. $8 + 3$</p> $10 + \underline{\quad} = \underline{\quad}$ | <p>d. $8 + 4$</p> $10 + \underline{\quad} = \underline{\quad}$ |

4. Fill in the blanks. Imagine that eight wants to become a ten.

| | | |
|---|---|---|
| a. $8 + 8$ $8 + \underline{2} + \underline{\quad}$ $10 + \underline{\quad} = \underline{\quad}$ | a. $8 + 5$ $8 + \underline{\quad} + \underline{\quad}$ $10 + \underline{\quad} = \underline{\quad}$ | a. $8 + 7$ $8 + \underline{\quad} + \underline{\quad}$ $10 + \underline{\quad} = \underline{\quad}$ |
|---|---|---|

5. Right or not? Cross out the additions that are false (not correct).

- a. $6 + 6 = 13$ b. $7 + 8 = 15$ c. $9 + 6 = 15$ d. $9 + 7 = 17$

Practice : use a strategy

| | | | |
|---|---|---|---|
| a. $8 + 8 =$ _____ $2 + 9 =$ _____ $5 + 5 =$ _____ | b. $7 + 8 =$ _____ $9 + 6 =$ _____ $6 + 5 =$ _____ | c. $7 + 7 =$ _____ $9 + 8 =$ _____ $7 + 4 =$ _____ | d. $5 + 8 =$ _____ $3 + 9 =$ _____ $7 + 6 =$ _____ |
| e. $9 + 4 =$ _____ $4 + 8 =$ _____ $6 + 7 =$ _____ | f. $8 + 6 =$ _____ $6 + 6 =$ _____ $5 + 9 =$ _____ | g. $9 + 2 =$ _____ $8 + 5 =$ _____ $5 + 7 =$ _____ | h. $6 + 9 =$ _____ $8 + 7 =$ _____ $8 + 4 =$ _____ |
| i. $9 + 3 =$ _____ $4 + 7 =$ _____ $9 + 5 =$ _____ | j. $4 + 9 =$ _____ $7 + 7 =$ _____ $3 + 8 =$ _____ | k. $9 + 9 =$ _____ $6 + 8 =$ _____ $6 + 6 =$ _____ | l. $8 + 9 =$ _____ $5 + 6 =$ _____ $8 + 3 =$ _____ |