

Addition Strategy Practice

Having fact fluency is important because knowing the basic facts allows a student to focus on solving more complex problems without spending a lot of mental energy on the facts.

Once a student is fluent with the addition facts, he or she can tackle subtraction by thinking backwards.

For example, $11 - 6$ becomes what $+ 6 = 11$?

This practice set includes:

- an overview of the strategies
- strategy instruction pages with practice on the back
- missing addends and subtraction practice pages

All of the instruction and practice pages can be reused with the plastic sleeve and a dry erase marker.

This is the suggested order for working on the strategies:

Counting on 2, 3, 4, 5

Doubles

Doubles +1

Adding with 10

Adding with 9

Doubles +2 ($6 + 8 = 14$)

Addition Strategies

Some facts fit into more than one strategy.

In that case, you should use the strategy that works best for you.

Count on with 2, 3, 4 or 5 

Start with the higher number and count on 2, 3 or 4 more in your head. Draw dots to help you keep track. Draw the dots like you see them on dice so you can see the number quickly.

$$6 + 4 = \underline{\quad} \quad \text{Think 6 and count with 4 dots...7, 8, 9, 10.} \quad \begin{array}{c} \cdot \cdot \\ \cdot \cdot \end{array}$$

Doubles

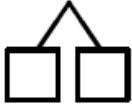
Remember doubles are always even numbers...2, 4, 6, 8, 10, 12, 14, 16, 18, 20

Doubles + 1

Split the higher number into 1 + ____.
Then add the double and count up one more.


$4 + 5 \quad 6 + 7$


$5 + 6 \quad 7 + 8$

$$5 + 6 = \underline{\quad}$$


Ten Strategy

Remember that 10+ a one digit number will equal a 1 in the 10s place and the other addend in the ones place

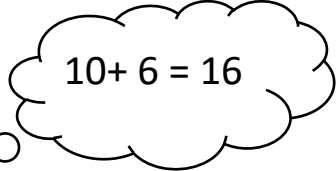
$$10 + 3 = 13$$


$$10 + 8 = 18$$


Nine Strategy

Add the number that is not 9 to 10 and subtract one.

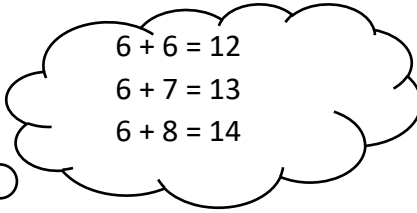
(9+6...think 10+6= 16...one less is 15.)


$$9 + 6 = \underline{\quad}$$

Doubles Plus 2

This is the last fact that did not fit into the other strategies.

6 + 8 Use the double 6 + 6 and then add two more.


$$\begin{array}{l} 6 + 6 = 12 \\ 6 + 7 = 13 \\ 6 + 8 = 14 \end{array}$$

Counting on with 2, 3, 4 or 5 Strategy

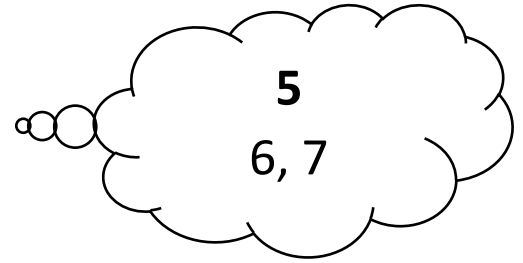
Start with the higher number and count on 2 more in your head.

$2 + 5$ Start at 5. Count on 2. $2 + 5 =$ _____

$2 + 6$ Start at 6. Count on 2. $2 + 6 =$ _____

$2 + 7$ Start at 7. Count on 2. $2 + 7 =$ _____

$2 + 8$ Start at 8. Count on 2. $2 + 8 =$ _____



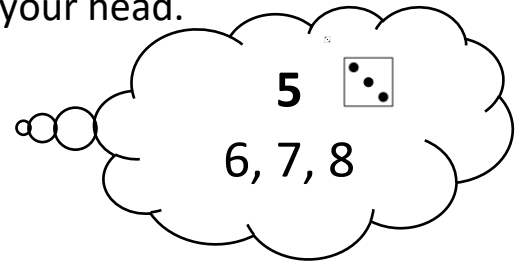
Start with the higher number and count on 3 more in your head.

Draw dots to help keep track.

$3 + 5$ Start at 5. Count on 3. $3 + 5 =$ _____

$3 + 6$ Start at 6. Count on 3. $3 + 6 =$ _____

$3 + 7$ Start at 7. Count on 3. $3 + 7 =$ _____



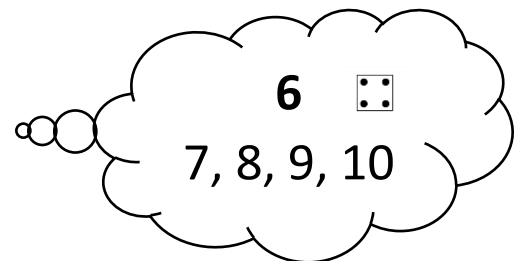
Start with the higher number and count on 4 more in your head.

Draw dots to help you keep track.

$4 + 6$ Start at 6. Count on 4. $4 + 6 =$ _____

$4 + 7$ Start at 7. Count on 4. $4 + 7 =$ _____

$4 + 8$ Start at 8. Count on 4. $4 + 8 =$ _____

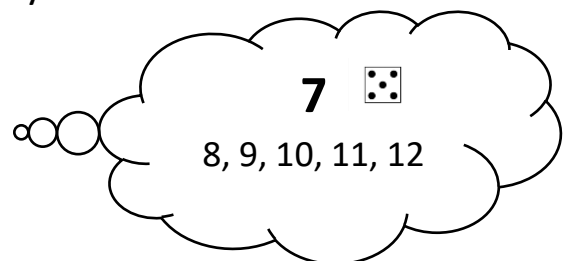


Start with the higher number and count on 5 more in your head.

Draw dots to help you keep track.

$5 + 7$ Start at 7. Count on 5. $5 + 7 =$ _____

$5 + 8$ Start at 8. Count on 5. $5 + 8 =$ _____



Count on with 2, 3, 4, 5

Loop the higher number. Then start there and count on.

$$6 + 2 = \underline{\quad}$$

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

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

$$3 + 4 = \underline{\quad}$$

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

$$8 + 3 = \underline{\quad}$$

$$5 + 3 = \underline{\quad}$$

$$5 + 7 = \underline{\quad}$$

$$8 + 4 = \underline{\quad}$$

$$2 + 5 = \underline{\quad}$$

$$2 + 5 = \underline{\quad}$$

$$7 + 4 = \underline{\quad}$$

$$3 + 6 = \underline{\quad}$$

$$8 + 5 = \underline{\quad}$$

Doubles Strategy

Remember doubles are always even numbers...2, 4, 6, 8, 10, 12, 14, 16, 18, 20

You can count by 2 to solve doubles.

2 + 2 Put up 2 fingers. Count by 2 for each finger.



2 + 2 = _____

3 + 3 Put up 3 fingers. Count by 2 for each finger.



3 + 3 = _____

4 + 4 Put up 4 fingers. Count by 2 for each finger.

4 + 4 = _____

5 + 5 Put up 5 fingers. Count by 2 for each finger.

5 + 5 = _____

6 + 6 Put up 6 fingers. Count by 2 for each finger.

6 + 6 = _____

7 + 7 Put up 7 fingers. Count by 2 for each finger.

7 + 7 = _____

8 + 8 Put up 8 fingers. Count by 2 for each finger.

8 + 8 = _____

9 + 9 Put up 9 fingers. Count by 2 for each finger.

9 + 9 = _____

Doubles

1. Practice the doubles in order.

2. Practice the doubles mixed up.

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

$8 + 8 = \underline{\quad}$

$4 + 4 = \underline{\quad}$

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

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

$7 + 7 = \underline{\quad}$

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

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

$7 + 7 = \underline{\quad}$

$4 + 4 = \underline{\quad}$

$8 + 8 = \underline{\quad}$

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


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

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

Doubles Plus 1 Strategy

Write the doubles +1 fact for each double by adding 1 to an addend.

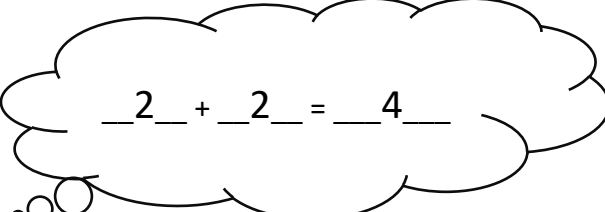
Then solve the double fact and the doubles +1 fact.

Double	Double +1
$2 + 2 = \underline{\quad}$	$2 + 3 =$  <i>one more than 2</i>
$3 + 3 = \underline{\quad}$	
$4 + 4 = \underline{\quad}$	
$5 + 5 = \underline{\quad}$	
$6 + 6 = \underline{\quad}$	
$7 + 7 = \underline{\quad}$	
$8 + 8 = \underline{\quad}$	



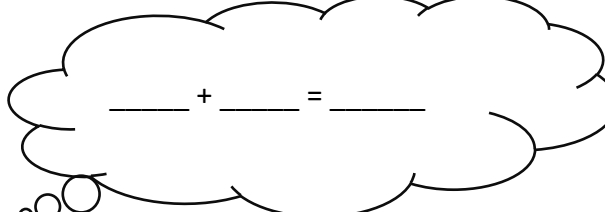
Doubles Plus 1

Write the double for the lower number. Then add 1.



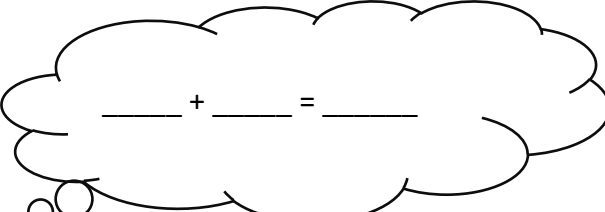
$2 + 2 = 4$

$2 + 3 = \underline{\quad}$



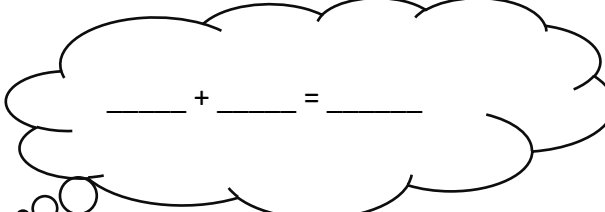
$_ + _ = _$

$5 + 6 = \underline{\quad}$



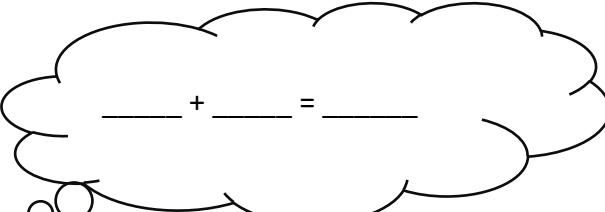
$_ + _ = _$

$8 + 7 = \underline{\quad}$



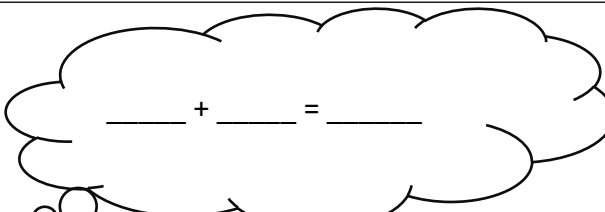
$_ + _ = _$

$7 + 6 = \underline{\quad}$



$_ + _ = _$

$5 + 4 = \underline{\quad}$



$_ + _ = _$

$8 + 9 = \underline{\quad}$

Doubles Plus 1

Think about the double for the lower number. Then add 1.

$$4 + 3 = \underline{\quad}$$

$$8 + 7 = \underline{\quad}$$

$$5 + 6 = \underline{\quad}$$

$$4 + 5 = \underline{\quad}$$

$$6 + 7 = \underline{\quad}$$

$$7 + 8 = \underline{\quad}$$

$$5 + 6 = \underline{\quad}$$

$$7 + 6 = \underline{\quad}$$

$$2 + 3 = \underline{\quad}$$

$$5 + 4 = \underline{\quad}$$

$$8 + 7 = \underline{\quad}$$

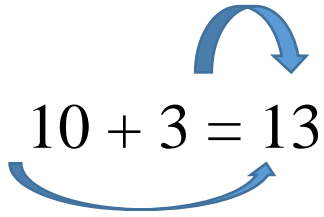
$$6 + 5 = \underline{\quad}$$

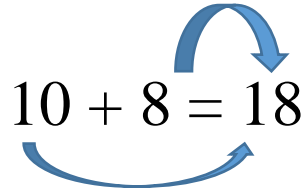
$$7 + 6 = \underline{\quad}$$

$$3 + 4 = \underline{\quad}$$

Adding with 10 Strategy

When you add 10 and a one digit number,
the sum is a 1 in the tens place and the other addend in the ones place

$$10 + 3 = 13$$


$$10 + 8 = 18$$


Fill in the missing ones place number to show the pattern.

$$10 + 1 = 1 \underline{\quad}$$

$$10 + 2 = 1 \underline{\quad}$$

$$10 + 3 = 1 \underline{\quad}$$

$$10 + 4 = 1 \underline{\quad}$$

$$10 + 5 = 1 \underline{\quad}$$

$$10 + 6 = 1 \underline{\quad}$$

$$10 + 7 = 1 \underline{\quad}$$

$$10 + 8 = 1 \underline{\quad}$$

$$10 + 9 = 1 \underline{\quad}$$

Adding with 10

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

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

$10 + 9 = \underline{\quad}$

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

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

$9 + 10 = \underline{\quad}$

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

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

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

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

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

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

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

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

Adding with 9 Strategy

Add the number that is not 9 to 10 and subtract one For 9 + 6...think 10 + 6 = 16...one less is 15

$9 + 3 =$

10 + 3 = __
then -1

$9 + 7 =$

10 + 7 = __
then -1

$9 + 5 =$

10 + 5 = __
8 then -1

$9 + 8 =$

10 + 8 = __
then -1

$9 + 6 =$

10 + 6 = __
then -1

$9 + 2 =$

10 + 2 = __
then -1

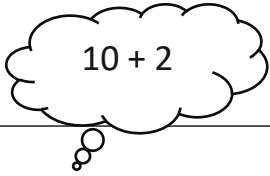
$9 + 9 =$

10 + 9 = __
then -1

$9 + 4 =$

10 + 4 = __
then -1

Adding with 9



Add with 10. Then subtract one.

$$9 + 2 = \underline{\quad}$$

$$9 + 5 = \underline{\quad}$$

$$7 + 9 = \underline{\quad}$$

$$6 + 9 = \underline{\quad}$$

$$8 + 9 = \underline{\quad}$$

$$9 + 3 = \underline{\quad}$$

$$4 + 9 = \underline{\quad}$$

$$2 + 9 = \underline{\quad}$$

$$5 + 9 = \underline{\quad}$$

$$9 + 7 = \underline{\quad}$$

$$9 + 8 = \underline{\quad}$$

$$3 + 9 = \underline{\quad}$$

$$2 + 9 = \underline{\quad}$$

$$9 + 6 = \underline{\quad}$$

Mixed Strategy Practice

Use the strategies to add.

$4 + 7 = \underline{\quad}$

$8 + 5 = \underline{\quad}$

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

$9 + 6 = \underline{\quad}$

$5 + 7 = \underline{\quad}$

$7 + 8 = \underline{\quad}$

$5 + 9 = \underline{\quad}$

$2 + 7 = \underline{\quad}$

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

$6 + 5 = \underline{\quad}$

$8 + 3 = \underline{\quad}$

$8 + 4 = \underline{\quad}$

$7 + 6 = \underline{\quad}$

$7 + 7 = \underline{\quad}$



$4 + 3 = \underline{\quad}$

$8 + 8 = \underline{\quad}$

$3 + 6 = \underline{\quad}$

$9 + 7 = \underline{\quad}$

$6 + 8 = \underline{\quad}$

$8 + 7 = \underline{\quad}$

$4 + 9 = \underline{\quad}$

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

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

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

$5 + 3 = \underline{\quad}$

$8 + 9 = \underline{\quad}$

$6 + 7 = \underline{\quad}$

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

Missing Addends



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

$$2 + \underline{\quad} = 11$$

$$2 + \underline{\quad} = 6$$

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

$$2 + \underline{\quad} = 7$$

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

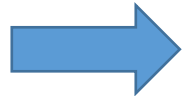
$$2 + \underline{\quad} = 4$$

$$2 + \underline{\quad} = 3$$

$$2 + \underline{\quad} = 12$$

$$2 + \underline{\quad} = 5$$

$$2 + \underline{\quad} = 9$$



Subtraction with 2



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

$$6 - 2 = \underline{\quad}$$

$$12 - 2 = \underline{\quad}$$

$$8 - 2 = \underline{\quad}$$

$$7 - 2 = \underline{\quad}$$

$$2 - 2 = \underline{\quad}$$

$$9 - 2 = \underline{\quad}$$

$$11 - 2 = \underline{\quad}$$

$$4 - 2 = \underline{\quad}$$

$$5 - 2 = \underline{\quad}$$

$$3 - 2 = \underline{\quad}$$

Missing Addends (+3)



$$3 + \underline{\quad} = 12$$

$$3 + \underline{\quad} = 11$$

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

$$3 + \underline{\quad} = 21$$

$$3 + \underline{\quad} = 9$$

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

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

$$3 + \underline{\quad} = 5$$

$$3 + \underline{\quad} = 6$$

$$3 + \underline{\quad} = 4$$

$$3 + \underline{\quad} = 8$$

$$3 + \underline{\quad} = 13$$



Subtraction with 3



$$11 - 3 = \underline{\quad}$$

$$6 - 3 = \underline{\quad}$$

$$3 - 3 = \underline{\quad}$$

$$4 - 3 = \underline{\quad}$$

$$12 - 3 = \underline{\quad}$$

$$9 - 3 = \underline{\quad}$$

$$5 - 3 = \underline{\quad}$$

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

$$8 - 3 = \underline{\quad}$$

$$7 - 3 = \underline{\quad}$$

$$13 - 3 = \underline{\quad}$$

Missing Addends (+4)



$$4 + \underline{\quad} = 11$$

$$4 + \underline{\quad} = 5$$

$$4 + \underline{\quad} = 4$$

$$4 + \underline{\quad} = 13$$

$$4 + \underline{\quad} = 7$$

$$4 + \underline{\quad} = 8$$

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

$$4 + \underline{\quad} = 12$$

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

$$4 + \underline{\quad} = 9$$

$$4 + \underline{\quad} = 14$$



Subtraction with 4



$$8 - 4 = \underline{\quad}$$

$$13 - 4 = \underline{\quad}$$

$$12 - 4 = \underline{\quad}$$

$$10 - 4 = \underline{\quad}$$

$$7 - 4 = \underline{\quad}$$

$$5 - 4 = \underline{\quad}$$

$$4 - 4 = \underline{\quad}$$

$$9 - 4 = \underline{\quad}$$

$$6 - 4 = \underline{\quad}$$

$$11 - 4 = \underline{\quad}$$

$$14 - 4 = \underline{\quad}$$

Missing Addends (+5)



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

$$5 + \underline{\quad} = 14$$

$$5 + \underline{\quad} = 7$$

$$5 + \underline{\quad} = 13$$

$$5 + \underline{\quad} = 12$$

$$5 + \underline{\quad} = 11$$

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

$$5 + \underline{\quad} = 9$$

$$5 + \underline{\quad} = 15$$

$$5 + \underline{\quad} = 8$$

$$5 + \underline{\quad} = 6$$



Subtraction with 5



$15 - 5 = \underline{\quad}$

$9 - 5 = \underline{\quad}$

$10 - 5 = \underline{\quad}$

$14 - 5 = \underline{\quad}$

$8 - 5 = \underline{\quad}$

$12 - 5 = \underline{\quad}$

$11 - 5 = \underline{\quad}$

$6 - 5 = \underline{\quad}$

$13 - 5 = \underline{\quad}$

$7 - 5 = \underline{\quad}$

$5 - 5 = \underline{\quad}$

Missing Addends (+6)



$$6 + \underline{\quad} = 16$$

$$6 + \underline{\quad} = 9$$

$$6 + \underline{\quad} = 11$$

$$6 + \underline{\quad} = 12$$

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

$$6 + \underline{\quad} = 7$$

$$6 + \underline{\quad} = 8$$

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

$$6 + \underline{\quad} = 13$$

$$6 + \underline{\quad} = 15$$

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



Subtraction with 6



$$8 - 6 = \underline{\quad}$$

$$15 - 6 = \underline{\quad}$$

$$12 - 6 = \underline{\quad}$$

$$14 - 6 = \underline{\quad}$$

$$9 - 6 = \underline{\quad}$$

$$6 - 6 = \underline{\quad}$$

$$7 - 6 = \underline{\quad}$$

$$11 - 6 = \underline{\quad}$$

$$13 - 6 = \underline{\quad}$$

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

$$16 - 6 = \underline{\quad}$$

Missing Addends (+7)



$$7 + \underline{\quad} = 11$$

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

$$7 + \underline{\quad} = 9$$

$$7 + \underline{\quad} = 17$$

$$7 + \underline{\quad} = 14$$

$$7 + \underline{\quad} = 7$$

$$7 + \underline{\quad} = 8$$

$$7 + \underline{\quad} = 15$$

$$7 + \underline{\quad} = 12$$

$$7 + \underline{\quad} = 13$$

$$7 + \underline{\quad} = 16$$

Subtraction with 7



$$9 - 7 = \underline{\quad}$$

$$11 - 7 = \underline{\quad}$$

$$17 - 7 = \underline{\quad}$$

$$13 - 7 = \underline{\quad}$$

$$12 - 7 = \underline{\quad}$$

$$14 - 7 = \underline{\quad}$$

$$16 - 7 = \underline{\quad}$$

$$15 - 7 = \underline{\quad}$$

$$7 - 7 = \underline{\quad}$$

$$10 - 7 = \underline{\quad}$$

$$8 - 7 = \underline{\quad}$$

Missing Addends (+8)



$$8 + \underline{\quad} = 9$$

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

$$8 + \underline{\quad} = 16$$

$$8 + \underline{\quad} = 8$$

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

$$8 + \underline{\quad} = 15$$

$$8 + \underline{\quad} = 13$$

$$8 + \underline{\quad} = 17$$

$$8 + \underline{\quad} = 11$$

$$8 + \underline{\quad} = 14$$

$$8 + \underline{\quad} = 18$$





Subtraction with 8

$$18 - 8 = \underline{\quad}$$

$$9 - 8 = \underline{\quad}$$

$$10 - 8 = \underline{\quad}$$

$$11 - 8 = \underline{\quad}$$

$$15 - 8 = \underline{\quad}$$

$$16 - 8 = \underline{\quad}$$

$$12 - 8 = \underline{\quad}$$

$$13 - 8 = \underline{\quad}$$

$$14 - 8 = \underline{\quad}$$

$$17 - 8 = \underline{\quad}$$

$$8 - 8 = \underline{\quad}$$

Missing Addends (+9)



#111425233

$$9 + \underline{\quad} = 10$$

$$9 + \underline{\quad} = 12$$

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

$$9 + \underline{\quad} = 16$$

$$9 + \underline{\quad} = 15$$

$$9 + \underline{\quad} = 13$$

$$9 + \underline{\quad} = 18$$

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

$$9 + \underline{\quad} = 14$$

$$9 + \underline{\quad} = 17$$

$$9 + \underline{\quad} = 19$$



Subtraction with 9



#11142523

$$18 - 9 = \underline{\quad}$$

$$9 - 9 = \underline{\quad}$$

$$10 - 9 = \underline{\quad}$$

$$11 - 9 = \underline{\quad}$$

$$15 - 9 = \underline{\quad}$$

$$16 - 9 = \underline{\quad}$$

$$12 - 9 = \underline{\quad}$$

$$13 - 9 = \underline{\quad}$$

$$14 - 9 = \underline{\quad}$$

$$17 - 9 = \underline{\quad}$$

$$19 - 9 = \underline{\quad}$$

Missing Addends (+10)



$$10 + \underline{\quad} = 12$$

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

$$10 + \underline{\quad} = 16$$

$$10 + \underline{\quad} = 13$$

$$10 + \underline{\quad} = 11$$

$$10 + \underline{\quad} = 18$$

$$10 + \underline{\quad} = 19$$

$$10 + \underline{\quad} = 17$$

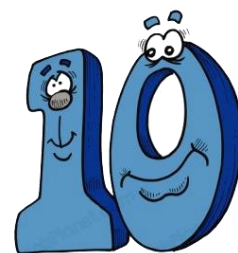
$$10 + \underline{\quad} = 15$$

$$10 + \underline{\quad} = 14$$

$$10 + \underline{\quad} = 20$$



Subtraction with 10



$$20 - 10 = \underline{\quad}$$

$$15 - 10 = \underline{\quad}$$

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

$$13 - 10 = \underline{\quad}$$

$$16 - 10 = \underline{\quad}$$

$$11 - 10 = \underline{\quad}$$

$$14 - 10 = \underline{\quad}$$

$$18 - 10 = \underline{\quad}$$

$$17 - 10 = \underline{\quad}$$

$$12 - 10 = \underline{\quad}$$

$$19 - 10 = \underline{\quad}$$

Mixed Strategy Practice

Use the strategies to subtract.

$14 - 7 = \underline{\quad}$

$12 - 5 = \underline{\quad}$

$9 - 6 = \underline{\quad}$

$13 - 6 = \underline{\quad}$

$10 - 7 = \underline{\quad}$

$15 - 8 = \underline{\quad}$

$8 - 3 = \underline{\quad}$

$12 - 9 = \underline{\quad}$

$11 - 6 = \underline{\quad}$

$9 - 5 = \underline{\quad}$

$13 - 8 = \underline{\quad}$

$14 - 8 = \underline{\quad}$

$17 - 7 = \underline{\quad}$

$12 - 6 = \underline{\quad}$



$15 - 6 = \underline{\quad}$

$9 - 7 = \underline{\quad}$

$10 - 4 = \underline{\quad}$

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

$16 - 8 = \underline{\quad}$

$12 - 3 = \underline{\quad}$

$14 - 9 = \underline{\quad}$

$11 - 7 = \underline{\quad}$

$18 - 9 = \underline{\quad}$

$7 - 4 = \underline{\quad}$

$15 - 7 = \underline{\quad}$

$12 - 4 = \underline{\quad}$

$13 - 5 = \underline{\quad}$

$11 - 3 = \underline{\quad}$

$17 - 9 = \underline{\quad}$

$12 - 9 = \underline{\quad}$