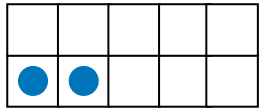
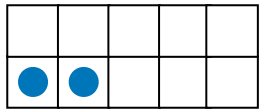
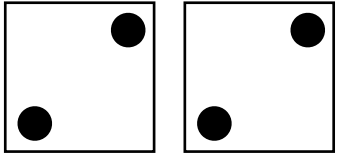


$2 + 2 = 4$

Easiest fact

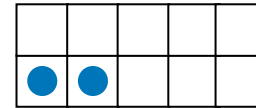
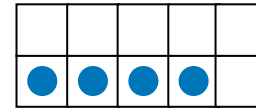
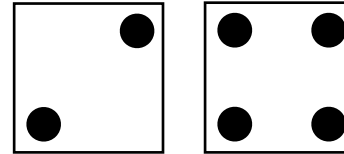


$2 + 2 =$

$$\begin{array}{r} 2 \\ + 2 \\ \hline \end{array}$$

$2 + 4 = 6$

Half a dozen

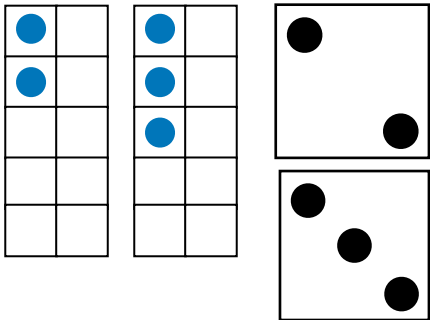


$2 + 4 =$

$$\begin{array}{r} 4 \\ + 2 \\ \hline \end{array}$$

$2 + 3 = 5$

Double 2 + 1

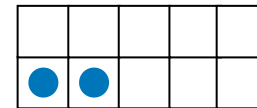
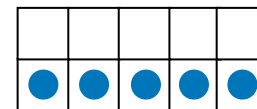
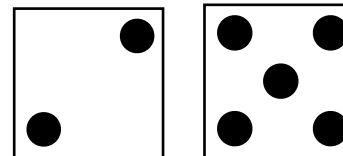


$2 + 3 =$

$$\begin{array}{r} 3 \\ + 2 \\ \hline \end{array}$$

$2 + 5 = 7$

Two, plus the fingers on one hand

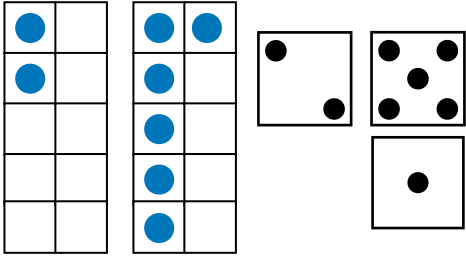


$2 + 5 =$

$$\begin{array}{r} 5 \\ + 2 \\ \hline \end{array}$$

$2 + 6 = 8$

Ounces in a cup.

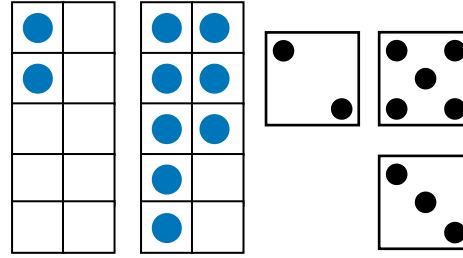


$2 + 6 =$

$$\begin{array}{r} 6 \\ + 2 \\ \hline \end{array}$$

$2 + 8 = 10$

Sum of ten

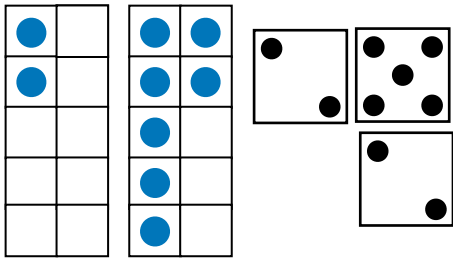


$2 + 8 =$

$$\begin{array}{r} 8 \\ + 2 \\ \hline \end{array}$$

$2 + 7 = 9$

Two plus days in a week.

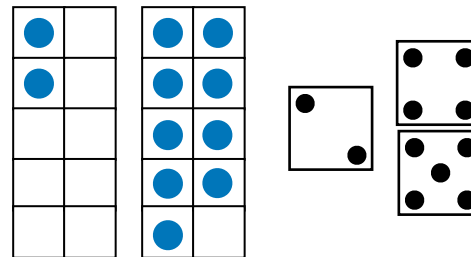


$2 + 7 =$

$$\begin{array}{r} 7 \\ + 2 \\ \hline \end{array}$$

$2 + 9 = 11$

Nines Rule.
Add 10 to 2, take away 1.

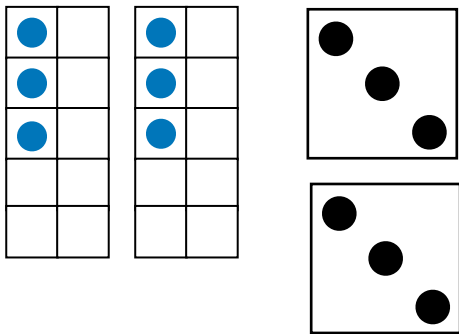


$2 + 9 =$

$$\begin{array}{r} 9 \\ + 2 \\ \hline \end{array}$$

$3 + 3 = 6$

Double 3

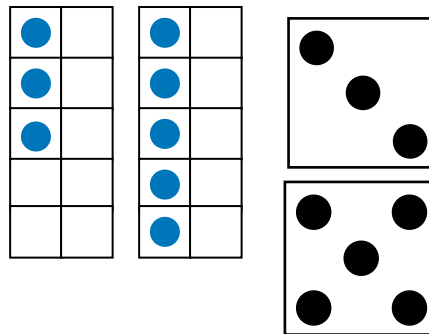


$3 + 3 =$

$$\begin{array}{r} 3 \\ + 3 \\ \hline \end{array}$$

$3 + 5 = 8$

Ounces in a cup
First addend is a 3

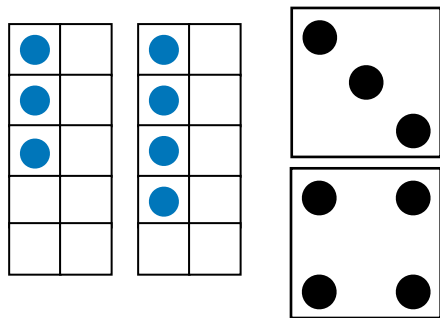


$3 + 5 =$

$$\begin{array}{r} 5 \\ + 3 \\ \hline \end{array}$$

$3 + 4 = 7$

Double 3, plus 1

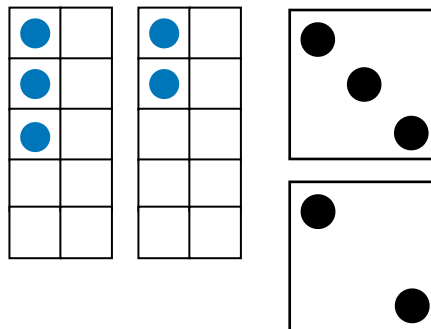


$3 + 4 =$

$$\begin{array}{r} 4 \\ + 3 \\ \hline \end{array}$$

$3 + 2 = 5$

Fingers on one hand
First addend is a 3

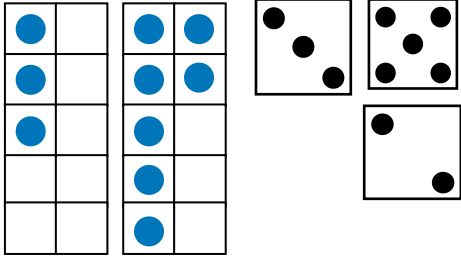


$3 + 2 =$

$$\begin{array}{r} 2 \\ + 3 \\ \hline \end{array}$$

$$3 + 7 = 10$$

Sum of ten.
First addend is 3



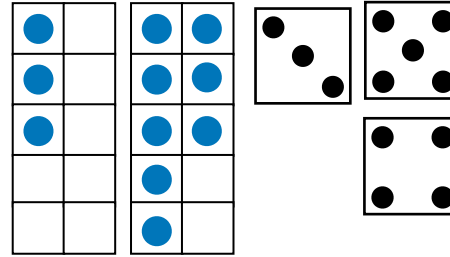
$$3 + 7 =$$

7

$$+ 3$$

$$3 + 9 = 12$$

Nines Rule: First addend is 3



$$3 + 9 =$$

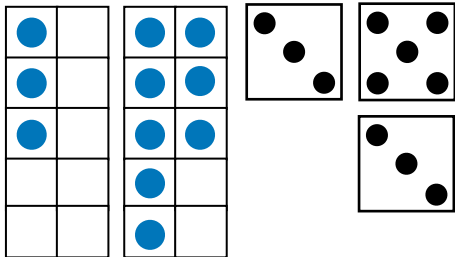
9

$$+ 3$$

Nines Rule: Add 10, take away 1
(3 + 10) - 1

$$3 + 8 = 11$$

Eights Rule: First addend is 3



$$3 + 8 =$$

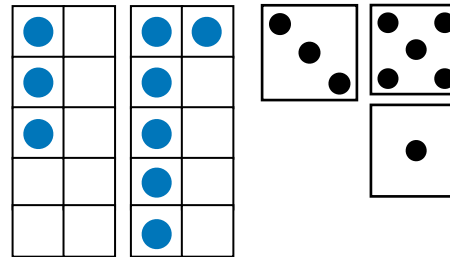
8

$$+ 3$$

Eights Rule: Add 10, take away 2
(3 + 10) - 2

$$3 + 6 = 9$$

Three plus double three



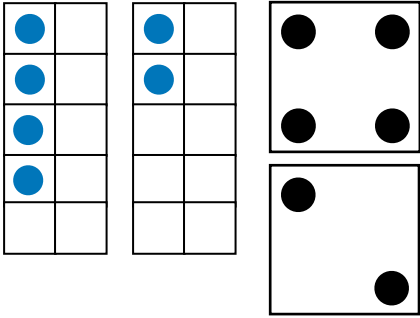
$$3 + 6 =$$

6

$$+ 3$$

$4 + 2 = 6$

Two plus double two.
Half a dozen.

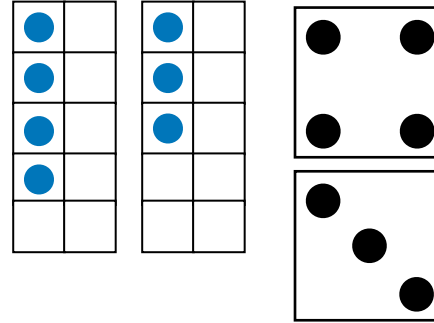


$4 + 2 =$

$$\begin{array}{r} 2 \\ + 4 \\ \hline \end{array}$$

$4 + 3 = 7$

One more than half a dozen.
First addend is 4

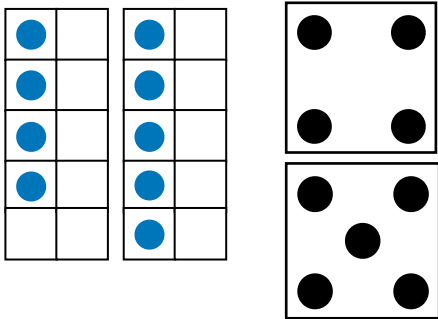


$4 + 3 =$

$$\begin{array}{r} 3 \\ + 4 \\ \hline \end{array}$$

$4 + 5 = 9$

Double 4 plus 1

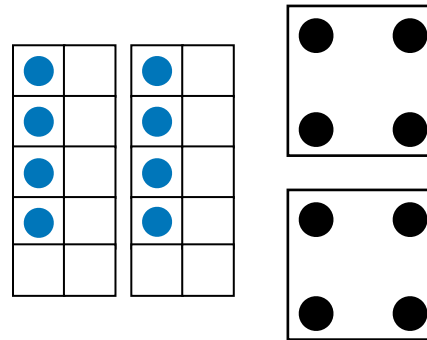


$4 + 5 =$

$$\begin{array}{r} 5 \\ + 4 \\ \hline \end{array}$$

$4 + 4 = 8$

Double 4.
Ounces in a cup.

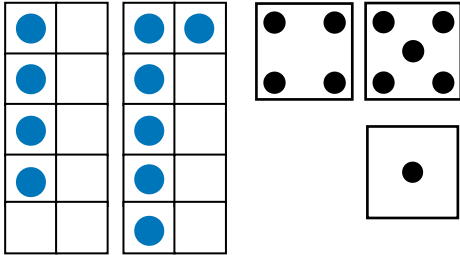


$4 + 4 =$

$$\begin{array}{r} 4 \\ + 4 \\ \hline \end{array}$$

$4 + 6 = 10$

Double 4 plus 2
Sum of 10. First addend is 4

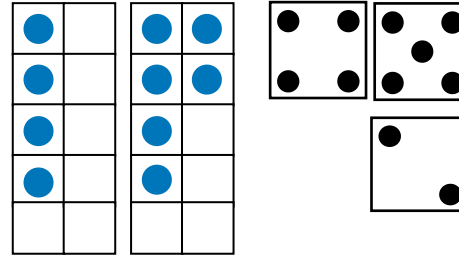


$4 + 6 =$

$$\begin{array}{r} 6 \\ + 4 \\ \hline \end{array}$$

$4 + 7 = 11$

The hardest addition fact.
First addend is 4



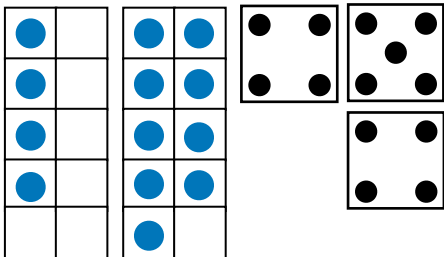
$4 + 7 =$

$$\begin{array}{r} 7 \\ + 4 \\ \hline \end{array}$$

It's not a double.
It's not a double plus 1 or 2.
It's not an eights or nines rule.
It's not a sum of ten.

$4 + 9 = 13$

Nines Rule: First addend is 4



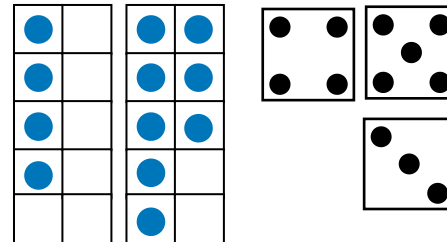
$4 + 9 =$

$$\begin{array}{r} 9 \\ + 4 \\ \hline \end{array}$$

Nines Rule: Add 10, take away 1
(4 + 10) - 1

$4 + 8 = 12$

Sum is one dozen.
First addend is 4



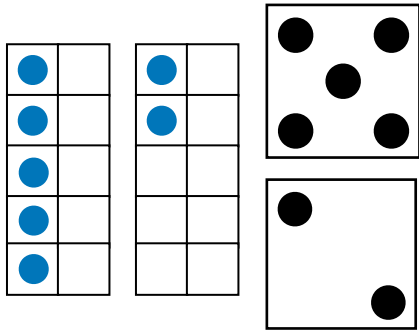
$4 + 8 =$

$$\begin{array}{r} 8 \\ + 4 \\ \hline \end{array}$$

Eights Rule: (4 + 10) - 2

$5 + 2 = 7$

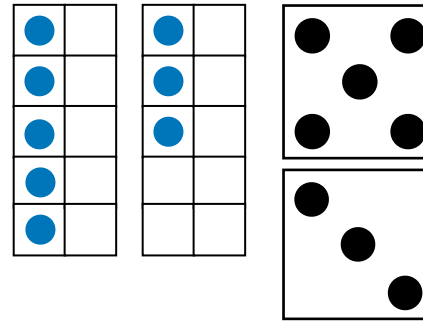
Fingers on one hand, plus two.



$$\begin{array}{r} 5 + 2 = \\ + 5 \\ \hline \end{array}$$

$5 + 3 = 8$

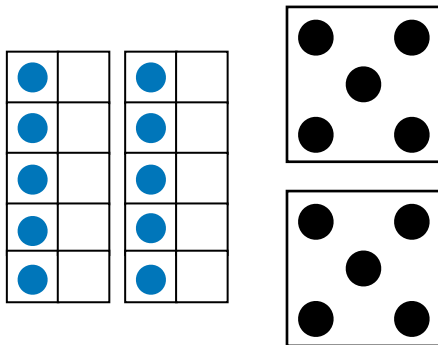
Ounces in a cup
First addend is a 5



$$\begin{array}{r} 5 + 3 = \\ + 5 \\ \hline \end{array}$$

$5 + 5 = 10$

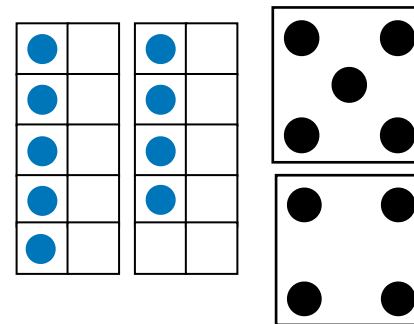
Double 5



$$\begin{array}{r} 5 + 5 = \\ + 5 \\ \hline \end{array}$$

$5 + 4 = 9$

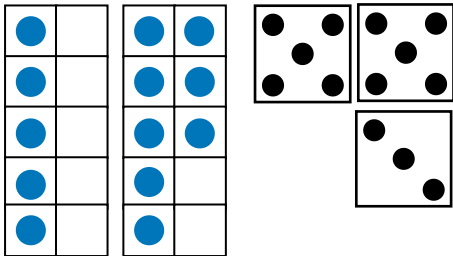
Almost 10
First addend is a 5



$$\begin{array}{r} 5 + 4 = \\ + 5 \\ \hline \end{array}$$

$5 + 8 = 13$

Eights Rule: First addend is 5

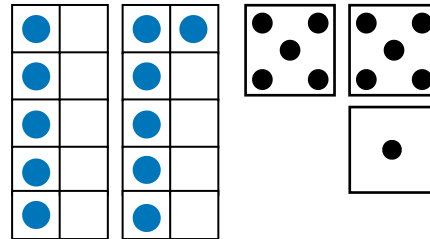


*Eights Rule: Add 10, take away 2
(5 + 10) - 2*

$$\begin{array}{r} 5 + 8 = \\ 8 \\ + 5 \\ \hline \end{array}$$

$5 + 6 = 11$

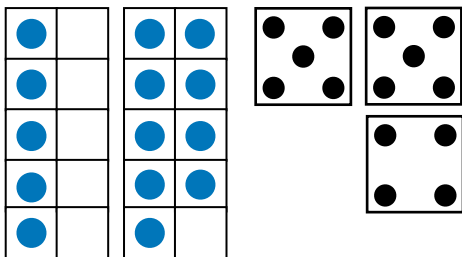
Double 5 plus 1



$$\begin{array}{r} 5 + 6 = \\ 6 \\ + 5 \\ \hline \end{array}$$

$5 + 9 = 14$

Nines Rule: First addend is 5

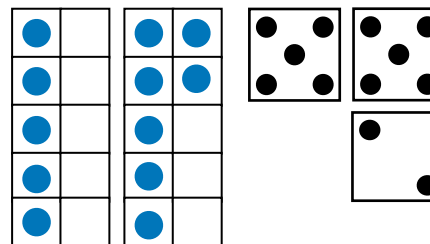


*Nines Rule: Add 10, take away 1
(5 + 10) - 1*

$$\begin{array}{r} 5 + 9 = \\ 9 \\ + 5 \\ \hline \end{array}$$

$5 + 7 = 12$

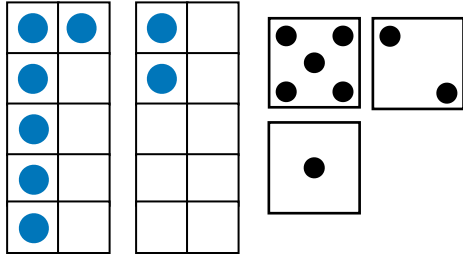
Double 5 plus 2. One dozen.



$$\begin{array}{r} 5 + 7 = \\ 7 \\ + 5 \\ \hline \end{array}$$

$6 + 2 = 8$

Ounces in a pint.
First addend is 6



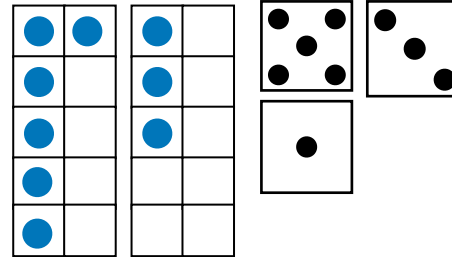
$6 + 2 =$

2

+ 6

$6 + 3 = 9$

Almost 10.
First addend is 6.



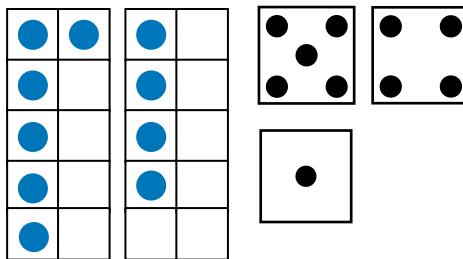
$6 + 3 =$

3

+ 6

$6 + 4 = 10$

Sum of 10. First addend is 6



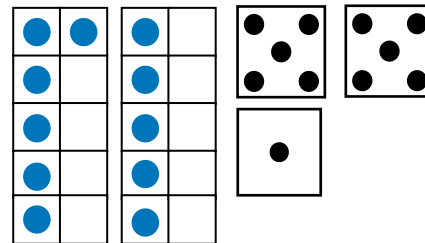
$6 + 4 =$

4

+ 6

$6 + 5 = 11$

Almost a dozen.
First addend is 6



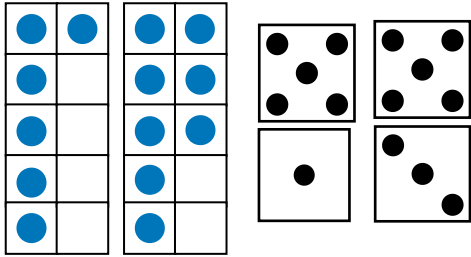
$6 + 5 =$

5

+ 6

$6 + 8 = 14$

Double 6 plus 2



Eights Rule: Add 10, take away 2
(6 + 10) - 2

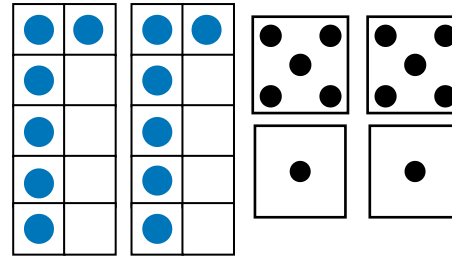
$6 + 8 =$

8

+ 6

$6 + 6 = 12$

Double 6
One Dozen



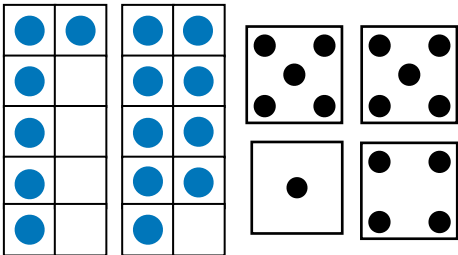
$6 + 6 =$

6

+ 6

$6 + 9 = 15$

Nines Rule: First addend is 6



Nines Rule: Add 10, take away 1
(6 + 10) - 1

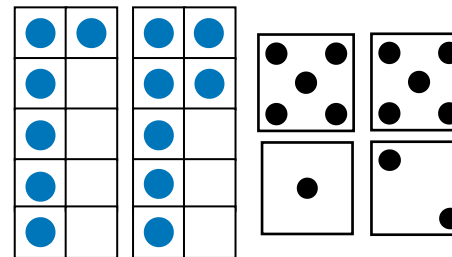
$6 + 9 =$

9

+ 6

$6 + 7 = 13$

Double 6 plus 1



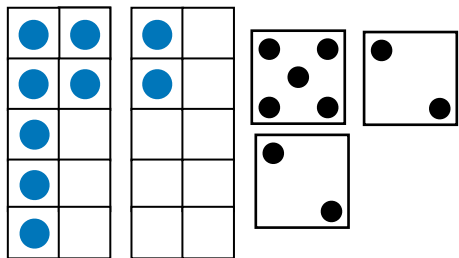
$6 + 7 =$

7

+ 6

$7 + 2 = 9$

Almost 10.
First addend is 7.

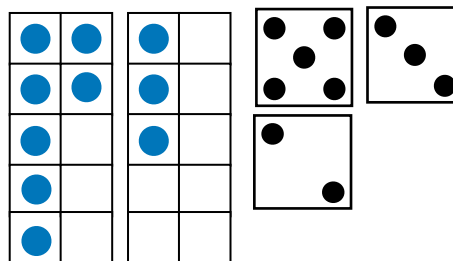


$7 + 2 =$

$$\begin{array}{r} 2 \\ + 7 \\ \hline \end{array}$$

$7 + 3 = 10$

Sum of ten.
First addend is 7

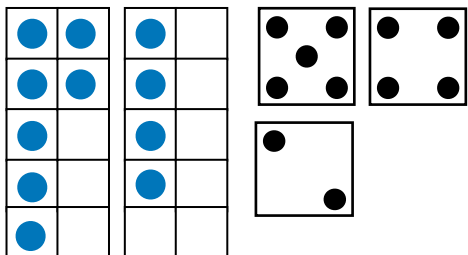


$7 + 3 =$

$$\begin{array}{r} 3 \\ + 7 \\ \hline \end{array}$$

$7 + 4 = 11$

The hardest addition fact.
First addend is 7



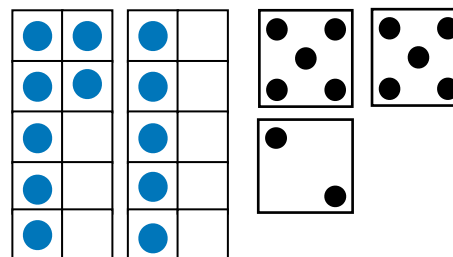
$7 + 4 =$

$$\begin{array}{r} 4 \\ + 7 \\ \hline \end{array}$$

It's not a double.
It's not a double plus 1 or 2.
It's not an eights or nines rule.
It's not a sum of ten.

$7 + 5 = 12$

One dozen.
First addend is 7

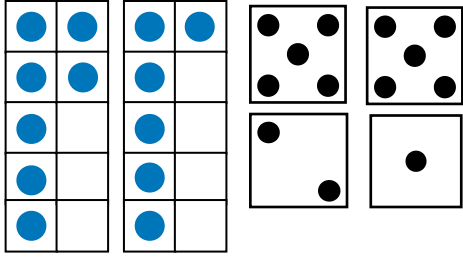


$7 + 5 =$

$$\begin{array}{r} 5 \\ + 7 \\ \hline \end{array}$$

$7 + 6 = 13$

One more than a dozen.
First addend is 7

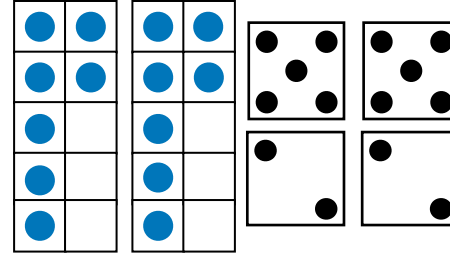


$7 + 6 =$

$$\begin{array}{r} 6 \\ + 7 \\ \hline \end{array}$$

$7 + 7 = 14$

Double 7

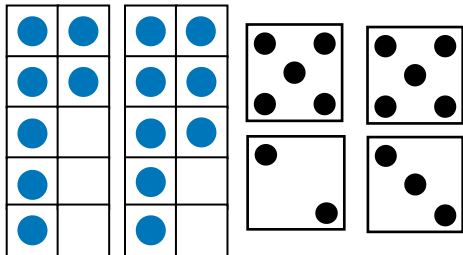


$7 + 7 =$

$$\begin{array}{r} 7 \\ + 7 \\ \hline \end{array}$$

$7 + 8 = 15$

Double 7 plus 1



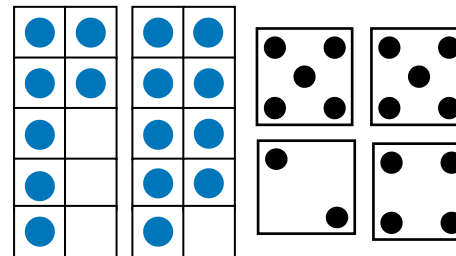
$7 + 8 =$

$$\begin{array}{r} 8 \\ + 7 \\ \hline \end{array}$$

Eights Rule: Add 10, take away 2
(7 + 10) - 2

$7 + 9 = 16$

Double 7 + 2



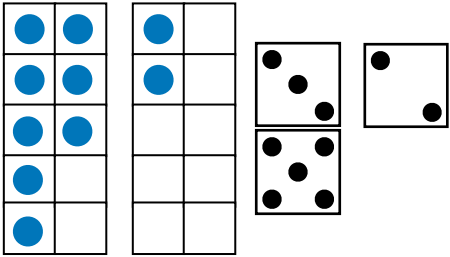
$7 + 9 =$

$$\begin{array}{r} 9 \\ + 7 \\ \hline \end{array}$$

Nines Rule: Add 10, take away 1
(7 + 10) - 1

$8 + 2 = 10$

Sum of ten.
First addend is 8

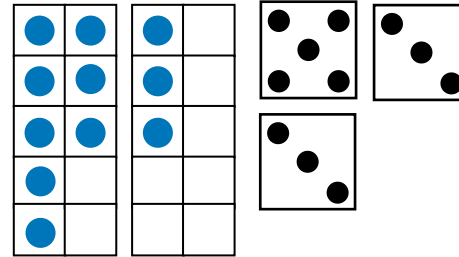


$8 + 2 =$

$$\begin{array}{r} 2 \\ + 8 \\ \hline \end{array}$$

$8 + 3 = 11$

A little more than 10.
First addend is 8

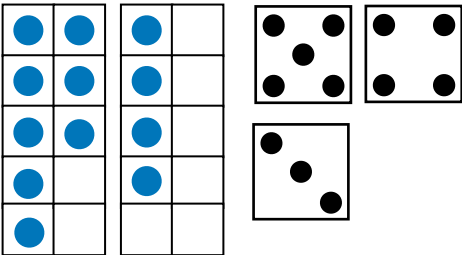


$8 + 3 =$

$$\begin{array}{r} 3 \\ + 8 \\ \hline \end{array}$$

$8 + 4 = 12$

Sum is one dozen.
First addend is 8

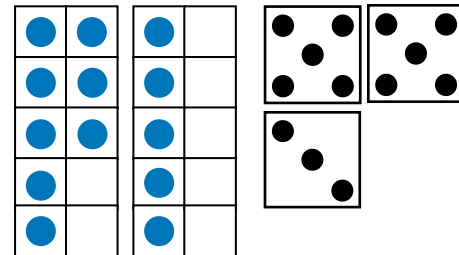


$8 + 4 =$

$$\begin{array}{r} 4 \\ + 8 \\ \hline \end{array}$$

$8 + 5 = 13$

One more than a dozen.
First addend is 8.



$8 + 5 =$

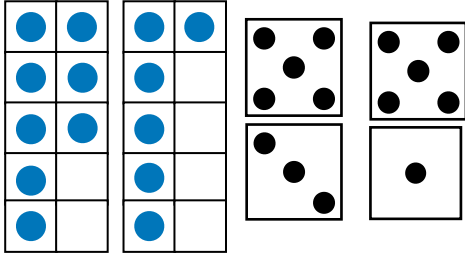
$$\begin{array}{r} 5 \\ + 8 \\ \hline \end{array}$$

Eights Rule: $(4 + 10) - 2$

Eights Rule: Add 10, take away 2
 $(5 + 10) - 2$

$8 + 6 = 14$

Two more than a dozen.
First addend is 8.



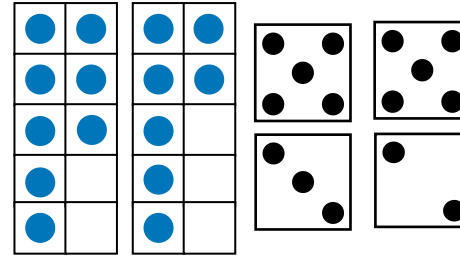
Eights Rule: Add 10, take away 2
(6 + 10) - 2

$8 + 6 =$

$$\begin{array}{r} 6 \\ + 8 \\ \hline \end{array}$$

$8 + 7 = 15$

Sum is 15.
First addend is 8.



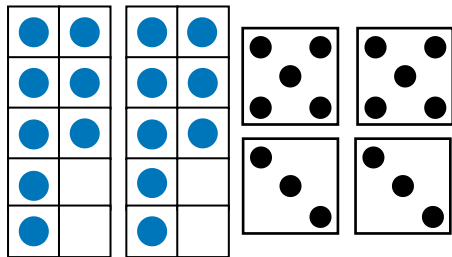
Eights Rule: Add 10, take away 2
(7 + 10) - 2

$8 + 7 =$

$$\begin{array}{r} 7 \\ + 8 \\ \hline \end{array}$$

$8 + 8 = 16$

Double 8
Ounces in a pound



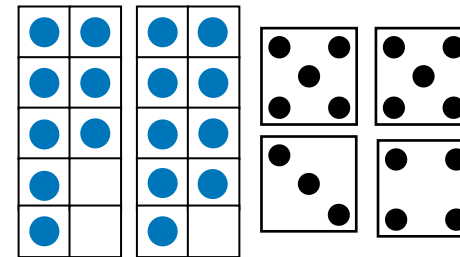
Eights Rule: Add 10, take away 2
(8 + 10) - 2

$8 + 8 =$

$$\begin{array}{r} 8 \\ + 8 \\ \hline \end{array}$$

$8 + 9 = 17$

Double 8 + 1



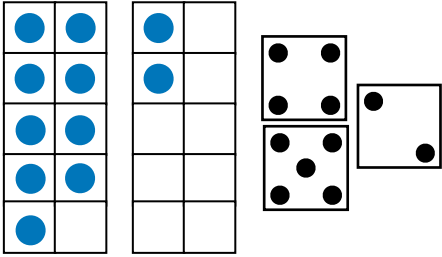
Nines Rule: Add 10, take away 1
(8 + 10) - 1

$8 + 9 =$

$$\begin{array}{r} 9 \\ + 8 \\ \hline \end{array}$$

$$9 + 2 = 11$$

One short of a dozen.
First addend is 9



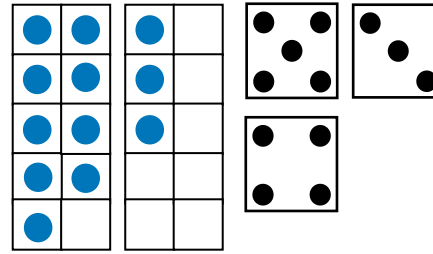
Nines Rule: Add 10, take away 1
(2 + 10) - 1

$$9 + 2 =$$

$$\begin{array}{r} 2 \\ + 9 \\ \hline \end{array}$$

$$9 + 3 = 12$$

One dozen: First addend is 9



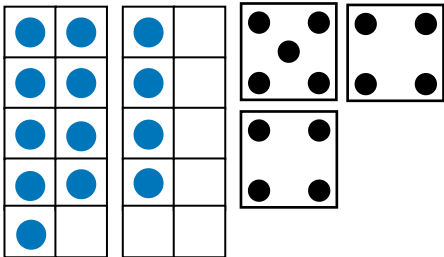
Nines Rule: Add 10, take away 1
(3 + 10) - 1

$$9 + 3 =$$

$$\begin{array}{r} 3 \\ + 9 \\ \hline \end{array}$$

$$9 + 4 = 13$$

One more than a dozen.
First addend is a 9.



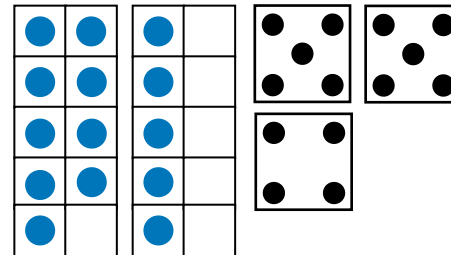
Nines Rule: Add 10, take away 1
(4 + 10) - 1

$$9 + 4 =$$

$$\begin{array}{r} 4 \\ + 9 \\ \hline \end{array}$$

$$9 + 5 = 14$$

Two more than a dozen.
First addend is a 9.

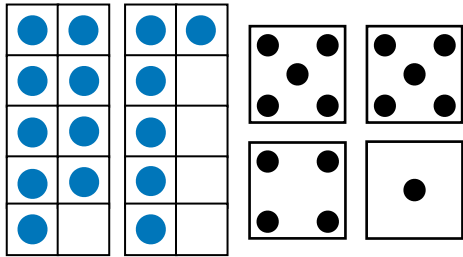


Nines Rule: Add 10, take away 1
(5 + 10) - 1

$$9 + 5 =$$

$$\begin{array}{r} 5 \\ + 9 \\ \hline \end{array}$$

$9 + 6 = 15$



*Nines Rule: Add 10, take away 1
(6 + 10) - 1*

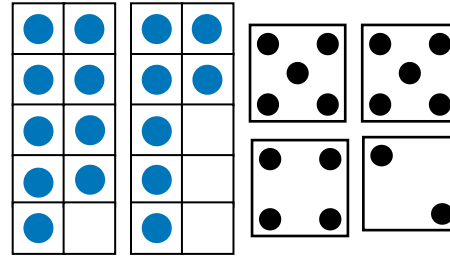
$9 + 6 =$

6

+ 9

$9 + 7 = 16$

*Ounces in a pound.
First addend is 9.*



*Nines Rule: Add 10, take away 1
(7 + 10) - 1*

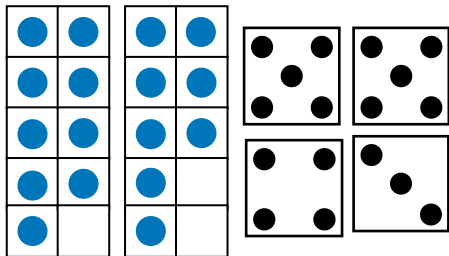
$9 + 7 =$

7

+ 9

$9 + 8 = 17$

*Sum is 17.
First addend is 9.*



*Nines Rule: Add 10, take away 1
(8 + 10) - 1*

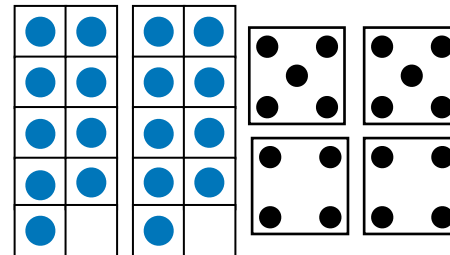
$9 + 8 =$

8

+ 9

$9 + 9 = 18$

Double 9



*Nines Rule: Add 10, take away 1
(9 + 10) - 1*

$9 + 9 =$

9

+ 9
