## addition

number sentence
$7+4=11$
4

Addends
Sum

## unknown

## $3+?=10$

model
$34 \rightarrow\left|\left|\left\lvert\, \begin{array}{l}\mid \\ \vdots\end{array}\right.\right.\right.$
34
bar model


## subtraction

## 

number bond



# commutative property $2+3=3+2$ 

## doubles

Double 2


$$
2+2=4
$$

inverse

| Addition |
| :---: | ---: |
| $8+2=6$ |
| $2+4=6$ |

near double

math fact


## addend

 addend addend 3 7
number line


## bundle




| Hundreds | Tens | Ones |
| :---: | :---: | :---: |
|  |  | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |
|  |  |  |

ten/long


## hundred/flat

decompose 75


Regroup 10 ones as I ten.


## one/unit

G
困
dises


## thousand/cube


less than

compare
4 is more than 3. 3 is less than 4.
standard expanded

Standard : Expanded
$153=100+50+3$
equal to
0.0
is equal to
partial sums


## sum



## difference

The answer when you subtract

$$
5-3=\underset{\text { difference }}{2}
$$

compensation/ shifting
$\qquad$

# compose 

 compose$$
\left\lvert\, \begin{array}{ll}
10+6=1: \\
10
\end{array}\right.
$$

whole and part

expanded form
$153=100+50+3$

| 1EG10UD |  |
| :---: | :---: |
| T | $\bigcirc$ |
| $\begin{gathered} 111 \\ \text { II } \\ \text { \| } \end{gathered}$ |  |
| 6 | 1 |

## place value

| Hundreds | Tens | Ones |
| :---: | :---: | :---: |
|  | $\begin{aligned} & B G B \\ & B B G \\ & B B G \end{aligned}$ | II 0 01 01 01 0 |
|  |  |  |

decompose

Begin with 359 $\square$
$\square$
$\square$


Take away 146 $\square$
$\square$
$\square$ INW


