

Strategies for Addition and Subtraction

1. Think Doubles

7 * I know $7+7=14$, so $7+8$ is 1 more

$$\begin{array}{r} 7 \\ +8 \\ \hline 15 \end{array}$$

- You need to know your doubles: $1+1=2$, $2+2=4$, $3+3=6$, $4+4=8$, $5+5=10$, $6+6=12$, $7+7=14$, $8+8=16$, $9+9=18$

2. Make Ten

17 I know $7+3=10$, so $7+4=11$

$$\begin{array}{r} 17 \\ +34 \\ \hline 51 \end{array}$$

* carry the group of ten to the ten's column

3. Use Expanded Form

27 is the same as: $20 + 7$

$+54$ is the same as: $50 + 4$

70 11 (I can't have 11, so carry the group of tens to the
= 81 ten's column)

4. H/T/O chart $78 + 47 = 125$

H	T	O
	7	8
	4	7
	11	15

- both the tens and the hundreds need to be regrouped.

5. Fact Families

19 * I know $7 + 2 = 9$, so $9 - 2 = 7$

$$\begin{array}{r} 19 \\ - 2 \\ \hline 17 \end{array}$$

Fact Family: $7+2=9$, $2+7=9$
 $9-2=7$, $9-7=2$

6. Number line

23

$$\begin{array}{r} 23 \\ - 17 \\ \hline 6 \end{array}$$

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

* Find both numbers - the number of spaces between the numbers is the difference.


7. Make a Picture

17 ~~XXXXX XXXXX~~

$$\begin{array}{r} 17 \\ - 9 \\ \hline 8 \end{array}$$

XXXXX XX

8. Base Ten Blocks (students start here, but should be moving on to other strategies once concept is understood)

$\$1.24$  * Must regroup to make enough 1's to take away 6, same 10's

$- .56$ 