



NAME _____

DATE _____

ADDITION OR SUBTRACTION

Solve each problem with a written strategy such as a tape diagram, a number bond, the arrow way, the vertical method or chips on a place value chart.

1) $230 - 190 = \underline{\quad} - \underline{\quad} = 40$

SOLUTION:

Tape diagram:

+ 10	230	230 $\xrightarrow{+10}$ _____
+ 10	190	190 $\xrightarrow{+10}$ _____

Number bond:

$$230 - 190 = \underline{\quad}$$

230 - 190
/ \
30 _____

$$= 30 + 200 - 190$$

$$= 30 + \underline{\quad}$$

$$= \underline{\quad}$$

Arrow way:

$$230 \xrightarrow{-100} \underline{\quad} \xrightarrow{-30} 100 \xrightarrow{-60} \underline{\quad}$$

$$= 230 - 190 = \underline{\quad}$$

Vertical method:

$$= 230 - 190 = \underline{\quad}$$

H	T	O
2	3	0
1	9	0

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

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

Chips on a place value chart:

H	T	O
•	•	
•	•	

$$-$$

H	T	O
•	•••	
	•••	

$$=$$

H	T	O

$$= 230 - 190 = \underline{\quad}$$