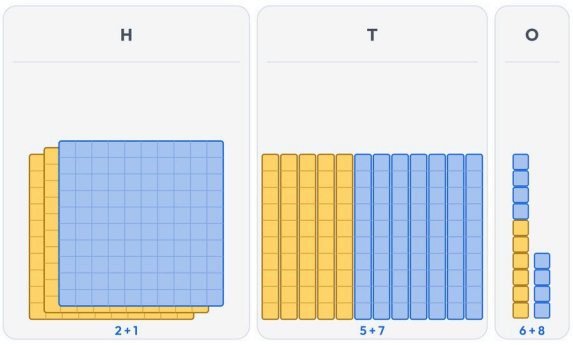
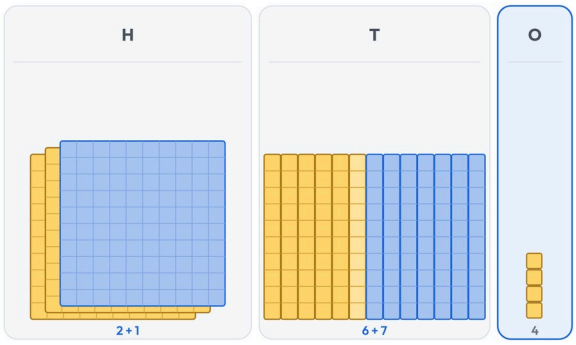
Names (pair) _____ Date _____

Written Addition with Carrying

Example



256 + 178: the ones column has 6 + 8 units



14 units: we exchange 10 for 1 rod

$$\begin{array}{r} {\scriptstyle 1\ \ 1\ \ \ } \\ 2\ 5\ 6 \\ +\ 1\ 7\ 8 \\ \hline 4\ 3\ 4 \end{array}$$

Ones: $6 + 8 = 14$. We write 4 and 1 ten is **carried** to the tens column.

Tens: $5 + 7 + 1 = 13$. We write 3 and carry 1 hundred.

Hundreds: $2 + 1 + 1 = 4$. Estimate: $260 + 180 = 440$.

1 ON YOUR OWN Estimate first, then calculate. Write the carries in the top row.

$$\begin{array}{r} {\scriptstyle \square\ \square\ \ } \\ 3\ 4\ 7 \\ +\ 2\ 8\ 5 \\ \hline \square\ \square\ \square \end{array}$$

estimate: ☐

$$\begin{array}{r} {\scriptstyle \square\ \square\ \square\ } \\ 1\ 5\ 6\ 8 \\ +\ 2\ 7\ 5\ 4 \\ \hline \square\ \square\ \square\ \square \end{array}$$

estimate: ☐

$$\begin{array}{r} {\scriptstyle \square\ \square\ \ } \\ 4\ 0\ 9 \\ +\ 3\ 9\ 6 \\ \hline \square\ \square\ \square \end{array}$$

estimate: ☐

$$\begin{array}{r} {\scriptstyle \square\ \square\ \square\ } \\ 2\ 9\ 9\ 9 \\ +\ \ \ \ \ 1 \\ \hline \square\ \square\ \square\ \square \end{array}$$

estimate: ☐

2 IN PAIRS **Without calculating**, circle the sums that will need a carry. How did you know?

345 + 124	368 + 215	450 + 350
199 + 1	612 + 277	505 + 495

Names (pair) _____ Date _____

Remember

When a column adds up to 10 or more, we exchange ten of that place for one of the next place: that is **carrying**. We write only the ones digit of the column sum, and write the 1 above the next column.

3 IN PAIRS CHALLENGE Write the missing digits. Start with the ones.

$$\begin{array}{rccc} & 3 & \square & 6 \\ + & 2 & 4 & \square \\ \hline & 6 & 2 & 1 \end{array}$$

4 IN PAIRS **Find the mistake.** Describe the mistake and work it out correctly.

calculation	what went wrong	correct
$346 + 278 = 514$	_____	☐
$58 + 67 = 1{,}115$	_____	☐

5 ON YOUR OWN In January a library lent 1,568 books, and in February 2,754. How many books did it lend in those two months? Estimate, calculate and compare.

estimate: ☐ calculation: ☐

The Place Value Blocks app · otooly.com/place-value-blocks

Adding and subtracting mode: enter $256 + 178$ and go step by step. When does a new rod appear, and when a new flat?

★ ON YOUR OWN **Exit card.** $2{,}999 + 1 =$ ☐ $478 + 356 =$ ☐