

WRITTEN SUBTRACTION ACROSS ZEROS

- Set out $5002 - 2347$ in Th H T U columns.
- Units cannot take 7, so rename from the thousands: hundreds and tens become 9, units become 12.
- Subtract down each column: $12 - 7 = 5$, $9 - 4 = 5$, $9 - 3 = 6$, $4 - 2 = 2$.

$$\begin{array}{r}
 \overset{4}{\cancel{5}} \overset{9}{\cancel{0}} \overset{9}{\cancel{0}} \overset{12}{\cancel{2}} \\
 - 2347 \\
 \hline
 2655
 \end{array}$$

WARM-UP

Set out each sum in its own frame, then subtract from the right, renaming across the zeros where you need to.

	Th	H	T	U
		6	0	0
		2	3	1
—				

	Th	H	T	U
		5	0	0
		1	8	4
—				

	Th	H	T	U
		8	0	0
		4	5	9
—				

PRACTICE

- A GAA stadium seated 4,562 fans for the final. If 1,238 of them went home at half time, how many stayed to the finish?
- The county board sold 3,406 match tickets in all. If 1,572 were for the terrace, how many were for the stand?
- A club raised 6,300 points in a season-long scoring challenge. If the hurlers scored 2,140 of them, how many did the footballers score?
- A camogie league had 5,241 registered players. If 2,683 played junior grade, how many played senior grade?

? ALWAYS, SOMETIMES, NEVER

Always, sometimes or never true? Write A, S or N.

- When you subtract two 4-digit numbers, you need to rename a column. ☐
- When the top number has zeros in the hundreds and tens, like 4,003, the borrow travels left through those zeros. ☐
- Adding your answer back to the smaller number gives the larger number you started with. ☐
- The answer to a 4-digit subtraction is larger than the number you started with. ☐

REFLECT

Which rename was trickiest — across a zero, or in more than one column?