

Lesson 16 **NUMBER****Written addition of 4-digit numbers**

WHAT THIS LESSON TEACHES

To add two four-digit numbers, line up the thousands, hundreds, tens and units and add each column from the right. When a column makes ten or more, write the ones digit and carry one into the next column to the left.

→ In the units: $8 + 9 = 17$, so write 7 and carry 1 into the tens.

→ 9 hundreds + 6 hundreds = 15 hundreds, so write 5 hundreds and carry 1 thousand.

MODEL THIS ON THE BOARD

ADDING 4-DIGIT NUMBERS

① Units: $5 + 8 = 13$. Write 3, carry 1.

② Tens: $4 + 7 + 1 = 12$. Write 2, carry 1.

③ Hundreds: $6 + 2 + 1 = 9$. Write 9.

④ Thousands: $2 + 1 = 3$. Write 3.

$$\begin{array}{r} \overset{1}{2} \overset{1}{6} 4 5 \\ + 1 2 7 8 \\ \hline 3 9 2 3 \end{array}$$

DISCUSSION STARTER

REFLECT When a column made ten or more, how did you remember where to put the carry?

ANSWER KEY

a) 6469

b) 6572

c) 6215

Q1: 3,657 seats

Q2: 5,691 tickets

Q3: 2,555 supporters

Q4: 5,626 m

Q5: 6,443 points

Q6: 8,134 players

EXTENSION SHEET · STRETCH ANSWERS

S1: 14780

S2: 7550

S3: 9495

S4: 10125

S5: 10661

Investigation: Make the biggest total — open-ended; scan pupils' working for valid solution paths rather than a single answer.