

# Adding with an Expanded Algorithm

In 1–4 find each sum.

1.  $134 + 221$ .

Hundreds	Tens	Ones
100	30	4
+ 200	+ 20	+ 1
_____	_____	_____

**Total**

\_\_\_\_\_

\_\_\_\_\_

+ \_\_\_\_\_

2.  $226 + 423$ .

Hundreds	Tens	Ones
200	20	6
+ 400	+ 20	+ 3
_____	_____	_____

**Total**

\_\_\_\_\_

\_\_\_\_\_

+ \_\_\_\_\_

3.  $344 + 421$ .

\_\_\_\_\_

4.  $575 + 342$ .

\_\_\_\_\_

5. **Persevere** Mac wants to find  $291 + 407$ . He adds the hundreds, tens, and ones. Then, he adds those sums together. What sums did Mac add to find the answer?
- \_\_\_\_\_

6. At Green School, 325 students walk, bike, or get a ride to school. There are 413 students who take the bus to school. How many students go to Green School?
- \_\_\_\_\_

7. **Generalize** Lauren is trying to find how far her family traveled on a road trip. On the first day, they drove 436 miles. On the second day, they drove 342 miles. How many miles did Lauren's family drive in all? Explain how you found the answer.
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

8. Which of the following shows the sums of the hundreds, tens, and ones for  $627 + 361$ ?

**A**  $800 + 80 + 9$    **B**  $800 + 90 + 8$    **C**  $900 + 80 + 8$    **D**  $900 + 90 + 8$