

PLACE VALUE WAR

This activity gives students an opportunity to decompose numbers in multiple ways. This will help students manipulate numbers in computation, as well as understand the value of digits in numbers when rounding. Show students that a group of 1,000 can be understood as a group of 10 hundreds, 100 tens, or 1,000 ones.

Have students work in pairs. Have them show 246 on their desks with base-ten blocks in the standard representation. Next, have students find at least three other ways to represent that number with their base ten blocks. Repeat these steps until you feel like students grasp the concept.

14 tens 13 ones	10 tens	55 tens 19 ones	34 tens
19 tens 37 ones	100 tens	47 tens	52 tens 20 ones
700 ones	80 tens 14 ones	48 tens 9 ones	4 hundreds 60 tens
3 hundreds 21 tens 12 ones	5 hundreds	9 hundreds 18 ones	5 hundreds 3 tens 8 ones
70 tens	47 tens	80 tens 900 ones	4 hundreds 35 tens 49 ones
1 hundred 10 tens	22 ones	35 tens 35 ones	6 hundreds 36 ones
2 hundreds 10 tens 10 ones	47 tens 9 ones	5 hundreds	4 hundreds 43 tens 22 ones
4 hundreds 35 tens 37 ones	9 hundreds 18 ones	22 tens	6 hundreds 9 tens 28 ones