



Use with  
**Lesson 9-4.**

Use the  
**Place-Value  
Blocks** tool.

1. Represent 424 with 4 hundreds flats, 2 tens rods, and 4 ones cubes. Click the odometer to view 424 written in word, standard, and expanded form.
2. Click on Reset All. Write the number with 3 hundreds, 4 tens, and 6 ones in word, standard, and expanded form in a textbox. Use place-value blocks to represent the number. Check your work with the odometer.

Use with  
**Lesson 9-5.**

Use the  
**Place-Value  
Blocks** tool.

1. Select the 2-Part Workspace. Show 1 hundred flat and 2 ones cubes in each workspace. In the second workspace, use the Hammer to break the 1 hundred flat into 10 tens rods. Use the odometers to check that the value of the blocks is still the same in each workspace.
2. Click on Reset All. Select the 3-Part Workspace. Use place-value blocks to show 227 in three different ways. Use the odometers to check that each workspace shows 227.



Use with  
**Lesson 9-6.**

Use the  
**Number  
Charts** tool.

1. Select Hundred Chart. In Set Chart, enter the Start Number as 300. Hide Cells 334, 354, 364, and 384. Write “304, 314, 324, \_\_\_\_\_, 344, \_\_\_\_\_, \_\_\_\_\_, 374, \_\_\_\_\_” in a textbox. Use the chart to describe the place-value pattern that can be used to name the hidden numbers.
2. Click on Reset All. In Set Chart, enter the Start Number as 555. Paint the column with 555 green. Paint the row with 605 orange. Read the numbers down the green column and across the orange row. Describe the place-value patterns.

Use with  
**Lesson 9-8.**

Use the  
**Place-Value  
Blocks** tool.

1. Select the Compare workspace. Write two 3-digit numbers in a textbox. Write a comparison for your numbers using  $<$ ,  $>$ , or  $=$ . Model each number using place-value blocks. Check your work using the odometers and the symbol shown between the workspaces.
2. Choose two other 3-digit numbers to model and compare.



Use with  
**Lesson 9-9.**

Use the  
**Number Line**  
tool.

1. **Select Numbers.** Click **Set Number Line Options**. Set **Minimum** to 200 and **Maximum** to 225. Show a blue dot on 210. Use the number line to write three numbers less than 210 and three numbers greater than 210 in a textbox.
2. **Click on Reset All.** Click **Set Number Line Options**. Set **Minimum** to 175 and **Maximum** to 190. Show a red dot on 184. Use the number line to write three numbers less than 184 and three numbers greater than 184 in a textbox.