



Place Value Through 999

CA Standards
NS 1.3, **KEY** NS 1.5

Use the table to solve Problems 1–4.

There have been a total of 6 missions in which astronauts landed on the moon. The length of each of those missions is shown in the table below.

Time in Outer Space	
Mission	Hours
Apollo 11	195 hours
Apollo 12	245 hours
Apollo 14	216 hours
Apollo 15	295 hours
Apollo 16	266 hours
Apollo 17	302 hours

1. In 1969, the Apollo 11 astronauts became the first people to land on the moon. How would you write the number of hours for their mission in expanded form? In word form?

2. Which mission’s length has the same digit in the tens place and the ones place?

3. The length of my Apollo mission is an odd 3-digit number. The digit in the tens place is twice the hundreds digit. On which Apollo mission did I serve?

5. What is the greatest possible number that has an expanded form containing just one zero?

4. Ken says that the *Apollo 14* mission was in outer space for about 200 hours. Bill says it was in outer space for about 300 hours. Who do you think is correct? Explain your choice.

6. How many numbers from 1 to 200 have an expanded form that is identical to the standard form? What are they?
