1. The Sun is the center of our solar system. The Sun is the star closest to our planet. The surface temperature of the Sun is close to 10,000°F. Write 10,000 using exponents.

2. Patty Berg has won $4^2$ major women's titles in golf. Write $4^2$ in standard form.

3. William has $3^3$ baseball cards and $4^3$ football cards. Write the number of baseball cards and footballs cards that William has.

4. Michelle recorded the number of miles she ran each day last year. She used the following expression to represent the total number of miles: $3 \cdot 3 \cdot 3 \cdot 3 \cdot 3 \cdot 3 \cdot 3$. Write this expression using exponents. How many miles did Michelle run last year?

5. In Tyrone's science class he is studying cells. Cell A divides every 30 minutes. If Tyrone starts with two cells, how many cells will he have in 3 hours?

6. Tanisha's soccer team has a phone tree in case a soccer game is postponed or cancelled. The coach calls 2 families. Then each family calls 2 other families. How many families will be notified during the 4th round of calls?

7. The Akashi-Kaiko Bridge is the longest suspension bridge in the world. It is located in Kobe-Naruto, Japan and was completed in 1998. It is about $3^8$ feet long. Write the approximate length of the Akashi-Kaiko Bridge in standard form.

8. The Strahov Stadium is the largest sports stadium in the world. It is located in Prague, Czech Republic. Its capacity is about $12^5$. Write the capacity of the Strahov Stadium in standard form.