

## Living the Math: Sports

Consult your teacher for the number of items to complete and the due date.

1. Calculate the number of baseball hits of your favorite team or player for one game, a week, and a month.

Player/Team: \_\_\_\_\_

Game hits: \_\_\_\_\_

Weekly hits: \_\_\_\_\_

Monthly hits: \_\_\_\_\_

2. Calculate your favorite player's batting average for a game. (Hint: divide the number of hits by the number of at-bats—for example, 20 hits  $\div$  60 at-bats = .333.)

Batting average: \_\_\_\_\_

3. Make a graph that compares the number of hours that you watch sports on TV to the number of hours that you play or practice a sport.

What I discovered from the graph: \_\_\_\_\_

4. Compare the circumference of a baseball to the circumference of a basketball. (Hints:  $C$  = circumference;  $\pi$  (pi) = 3.14 or  $22/7$ ;  $r$  = radius;  $C = \pi \times \text{diameter}$  or  $2r$ )

Circumference of baseball: \_\_\_\_\_

Circumference of basketball: \_\_\_\_\_

5. List the different shapes that you see at a stadium, gym, or ball field—for example, sphere, triangle, or rectangle.

Shapes I saw: \_\_\_\_\_