CALCULATING BATTING AVERAGE

Batting average is a number that shows how many of a player's at-bats result in a base hit.

Calculating batting average is easy! Divide a player's **base hits** by his number of **at-bats**.

Example:

Jimmy had **20** at-bats and **6** base hits:

$$6 \div 20 = 0.3$$

That means Jimmy got a hit **30 percent** of the time, but batting average is expressed in decimals. To write Jimmy's batting average, convert the percentage to a decimal to the thousandth place. Remember: don't write a 0 before the decimal point!

$$30\% = \mathbf{.300}$$

Talking about averages is a different story! To say it out loud, say "three hundred". An average of .275 is "two seventy-five", and a .238 is "two thirty-eight", and so on.

Express the percentages below as written and spoken batting averages!

50 percent

Written: .500

Spoken: Five hundred

29 percent

Written: .290

Spoken: Two ninety

35 percent

Written: .350

Spoken: Three fifty

45 percent

Written: .450

Spoken: Four fifty

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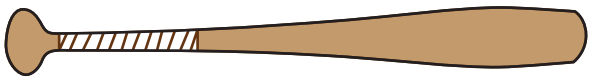
Sometimes the decimal you calculate will go far beyond the thousandths place! Make sure to round it up or down.

0.256146 0.256 .256 or "Two fifty-six"



Calculate the batting averages of these players.

1. Carlos had 7 base hits in 19 at-bats.
   7 / 19 = 0.3684210 = .368 "three sixty-eight"
2. Jeff had 8 base hits in 24 at-bats.
   8 / 24 = 0.3333333 = .333 "three thirty-three"
3. Michael had 5 base hits in 20 at-bats.
   5 / 20 = 0.25 = .250 "two fifty"
4. Andrew had 10 base hits in 23 at-bats.
   10 / 23 = 0.4347826 = .435 "four thirty-five"
5. Rafael had 9 base hits in 21 at-bats.
   9 / 21 = 0.4285714 = .429 "four twenty-nine"
6. Paul had 13 base hits in 30 at-bats.
   13 / 30 = 0.4333333 = .433 "four thirty-three"