

## Finding a Percent of a Quantity

1. A survey was given to a sixth-grade class asking students if they wanted to have an after-school dance club. Three out of every four students said yes.
  - a. What percent of the sixth-grade class responded yes?
  
  - b. If there are 92 students in the sixth grade, how many students responded yes?
  
2. In the seventh grade, students were given a survey on where to go for a field trip.  $\frac{1}{8}$  of the students voted to go to the aquarium.
  - a. What percent of the seventh grade voted to go to the aquarium?
  
  - b. If there are 128 students in the seventh grade, how many students voted to go to the aquarium?
  
3. Nathan took a quiz in his math class. He correctly answered 20 of the 25 questions correctly.
  - a. What percent grade did he earn?
  
  - b. He wants to achieve at least 92%. If Nathan can raise his grade by completing quiz corrections and earning full credit for each item he corrects, how many questions does he need to correct at minimum?
  
4. Alyssa took a math test with 20 questions and she answered 16 questions correctly. In order get an A, she needs to answer at least 90% of the questions correctly.
  - a. Did Alyssa get an A on this math test? Explain.
  
  - b. How many questions would Alyssa need to answer correctly in order to get an A?
  
  - c. On the same exam, Alyssa's friend Tristan answered three times more questions correct than incorrect. Who got a higher percentage of the test questions correct, Alyssa or Tristan?