

## Solving Percent Problems

1. Monica has \$3 in her wallet. If this is 10% of her monthly allowance, what is her monthly allowance?
  
2. Of the 125 guests invited to a wedding, 104 attended the wedding. What percent of the invited guests attended the wedding?
  
3. The memory card on a digital camera can hold about 430 pictures. Melcher used 18% of the memory card while taking pictures at a family reunion. About how many pictures did Melcher take at the family reunion? Round to the nearest whole number.
  
4. In a survey of voters in Binghamton, 55% of those surveyed said they would vote for Armas for city council. If 24,000 people vote in the election, about how many will vote for Armas?
  
5. A survey shows that 43% of high school and middle school students buy school lunches. If a school district has 2,900 high school and middle school students, about how many buy school lunches?

6. Students of a seventh grade class were surveyed to find out how much they would be willing to pay to go on a class trip. 24% of the students surveyed said they would pay \$21 to \$30. If there are 360 students in the seventh grade class, about how many would be willing to pay for a trip that cost \$21 to \$30?

For Exercises 7 and 8, use the table shown.

Ocean	Area (square miles)
<b>Pacific</b>	64 million
<b>Atlantic</b>	32 million
<b>Indian</b>	25 million

Source: worldatlas.com

7. The area of the Indian Ocean is what percent of the area of the Pacific Ocean? Round to the nearest whole percent.
  
8. If the area of the Arctic Ocean is 16% of the area of the Atlantic Ocean, what is the area of the Arctic Ocean? Round to the nearest whole million.