1. The data below is the number of emails that employees received at work last week.

   12  34  23  22  42  11  24  45  31  44

   Stephanie is the person that got 42 emails.

   a. What is her rank?

   b. What is her percentile rank?
Answers

1. The data below is the number of emails that employees received at work last week.

   12  34  23  22  42  11  24  45  31  44

   Stephanie is the person that got 42 emails.
   a. What is her rank?

      First we rank the data →

      45
      44
      42 ← Stephanie
      34
      31
      24
      23
      22
      12
      11

      So, we can see that Stephanie ranks #3.
   b. What is her percentile rank?

      In order to find the percentile rank, we must count the number of people below Stephanie, divide by the total number of people, and convert to a percent.

      There are seven people below her. \( \frac{7}{10} = 70\% \).

      So Stephanie’s percentile rank is the 70th percentile.