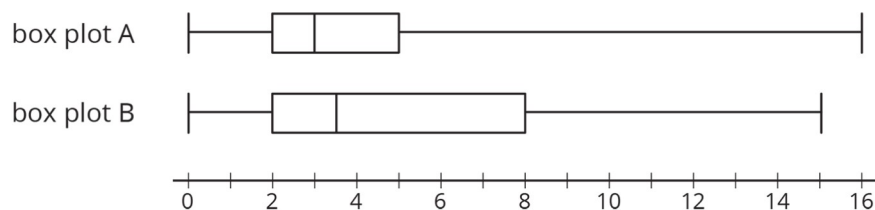# Boxes and Dots (6.8.D.16.4)

Illustrative Mathematics

16.4: Boxes and Dots

1. Here are two box plots that summarize two data sets. Do you agree with each of the following statements?

   • Both data sets have the same range.

   • Both data sets have the same minimum value.

   • The IQR shown in box plot B is twice the IQR shown in box plot A.

   • Box plot A shows a data set that has a quarter of its values between 2 and 5.

2. These dot plots show the same data sets as those represented by the box plots. Decide which box plot goes with each dot plot. Explain your reasoning.

data set 1