


Dolly and Willie's scores are shown. Dolly claims that she is the better student, but Willie claims that he is the better student. What statistics make either Dolly or Willie seem like the better student? Drag and drop the correct word into each box to complete the exolanation.

scores are more consistent.
The third quartile and maximum make Willie seem like the better student. Willie's third quartile is greater than Dolly's maximum which means that the greatest $25 \%$ of his scores are all higher than Dolly's highest score.


$$
0,7,4,3,3,2,1,1,7,2,2,1,1,1,2,2,0,1,0,1,4
$$

## Order the data from least to greatest.

$$
0,0,0,1,1,1,1,1,1,1,2,2,2,2,2,3,3,4,4,7,7
$$

## Identify the 5 needed values

\{minimum, first quartile, median, third quartile, and maximum.)


Draw a number line and plot a point above each of the 5 needed values. Draw a box whose ends go through the first and third quartiles, and draw a vertical line through the median. Draw horizontal lines from the box to the minimum and maximum.


Select the box plot that describes the data listed below.
The numbers of field goals James' football team scored in 12 games are listed below.

$$
3,2,5,3,5,2,1,1,5,4,4,2
$$

## Order the data from least to greatest.

$$
1,1,2,2,2,3,3,4,4,5,5,5
$$

## Identify the 5 needed values

\{minimum, first quartile, median, third quartile, and maximum.)

| 1, | 1, | 2,2 | 2, | 3,3 | 4, |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\uparrow$ | $\uparrow$ | $\uparrow$ | $\uparrow$ | 5, | 5 |
| $\uparrow$ | $\uparrow$ | $\uparrow$ |  | 5 |  |
| Minimum | $\mathrm{Q}_{1}$ | $\mathrm{Q}_{2}$ | $\mathrm{Q}_{3}$ | Maximum |  |
| 1 | 2 | 3 | 4.5 | 5 |  |

Draw a number line and plot a point above each of the 5 needed values. Draw a box whose ends go through the first and third quartiles, and draw a vertical line through the median. Draw horizontal lines from the box to the minimum and maximum.


Select the box plot that describes the data listed below.
The numbers of baskote Nntnlio'c tonm crnrod in a nnmoc nro listed below.

## $15,25,30,16,18,21,25,16,17$

## Order the data from least to greatest.

$$
15,16,16,17,18,21,25,25,30
$$

Identify the 5 needed values
\{minimum, first quartile, median, third quartile, and maximum.\}

| 15, | 16,16, | 17, | 18, | 21, | 25,25, |
| ---: | :---: | :---: | :---: | :---: | :--- |
| $\uparrow$ | $\uparrow$ | $\uparrow$ | $\uparrow$ | $\uparrow$ |  |
| Minimum | $\mathrm{Q}_{1}$ | Median | $\mathrm{Q}_{3}$ | Maximum |  |
| 15 | 16 | 18 | 25 | 30 |  |

Draw a number line and plot a point aoove each or the s needea vatues, Uraw a oox whose ends go through the first and third quartiles, and draw a vertical line through the median. Draw horizontal lines from the box to the minimum and maximum.


Select the box plot that describes the data listed below.
The numbers of points Armando's basketball team scored in 11 games are listed below.
$55,61,38,34,33,45,45,36,38,42,36$

## Order the data from least to greatest.

$33,34,36,36,38,38,42,45,45,55,61$
Identify the 5 needed values
\{minimum, first quartile, median, third quartile, and maximum.)

| 33, | 34, | 36, | 36,38, | 38, | 42,45 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\uparrow$ | $\uparrow$ | $\uparrow$ | 45, | 55, | 61 |
| Minimum | $\mathrm{Q}_{1}$ | $\mathrm{Q}_{2}$ | $\mathrm{Q}_{3}$ | Maximum |  |
| 33 | 36 | 38 | 45 | 61 |  |

Draw a number line and plot a point above each of the 5 needed values. Draw a box whose ends go through the first and third quartiles, and draw a vertical line through the madian nomau havizantal limae fromen tha hou ta tha minimumand mavimum


Select the histogram that describes the given data.

$41,47,49,51,52,53,53,55,55,55,56,57,58,67,68$

Create a frequency table. The data values range from 44 to 68 , so use an interval width of 10 and start the first interval at 40

| Age Interval | Frequency |
| :---: | :---: |
| $41-49$ | 3 |
| $50-59$ | 10 |
| $60-69$ | 2 |

Select the histogram that describes the given data.


## 7

Select the histogram that describes the given data.
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## $8,5,13,6,14,9,16,8,7,10,10,9,13,16,11,13,15,13,11,14,14,12,16,8,6,9$

Create a frequency table. The data value ranne from 5 to 54 an use an interval width of 3 and start the first interval at 5.

| Age Interval | Frequency |
| :---: | :---: |
| $5-7$ | 4 |
| $8-10$ | 8 |
| $11-13$ | 7 |
| $14-16$ | 7 |

Select the histogram that describes the given data.


Select the box plot that describes the data listed below.
The numbers of goals scored by Lisa's soccer team in 13 games are listed below.

$$
3,4,5,1,1,4,5,3,7,3,3,4,3
$$

## Order the data from least to greatest.

$$
1,1,3,3,3,3,3,4,4,4,5,5,7
$$

## Identify the 5 needed values

\{minimum, first quartile, median, third quartile, and maximum.\}

| 1, | 1, | 3,3 | 3,3, | 3, | 4,4, |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\uparrow$ | $\uparrow$ | $\uparrow$ | $\uparrow, 5$, | 5, | 7 |
|  | $\uparrow$ | $\uparrow$ | $\uparrow$ |  |  |
| Minimum | $\mathrm{Q}_{1}$ | $\mathrm{Q}_{2}$ | $\mathrm{Q}_{3}$ | Maximum |  |
| 1 | 3 | 3 | 4.5 | 7 |  |

Draw a number line and plot a point above each of the 5 needed values. Draw a box whose ends go through the first and third quartiles, and draw a vertical line through the median. Draw horizontal lines from the box to the minimum and maximum.


Select the box plot that describes the data listed below.

## $25,26,16,20,15,25,28,26,16$

## Order the data from least to qreatest.

$$
15,16,16,20,25,25,26,26,27,28
$$

Identify the 5 needed values
(minimum, first quartile, median, third quartile, and maximum.)


Draw a number line and plot a point above each of the 5 needed values. Draw a box whose ends go through the first and third quartiles, and draw a vertical line through the median. Draw horizontal lines from the box to the minimum and maximum.


10 Listed are the heights of players, in inches, on a basketball team. Complete the frequency table from the data.
$80,76,71,67,63,78,71,74,70,65,73,70,74,72,70$

| Height <br> Interval | Frequency |
| :---: | :---: |
| $63-66$ | $\square$ |
| $67-70$ | $\square$ |
| $71-74$ | $\square$ |
| $75-78$ | $\square$ |
| $79-82$ | $\square$ |



