**What’s Your Age?**

Can you identify a group of people by their ages?

Match a dot plot and corresponding statistics table to each of the five statistical questions below.

|  |  |
| --- | --- |
| What are the ages of the United States presidents at the time of inauguration? | |
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|  |  |
| --- | --- |
| What are the ages of a random sample of sixth graders? | |
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|  |  |
| --- | --- |
| 3.  What are the ages of the players on the 2014 Chicago Blackhawks team? | |
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| --- | --- |
| 4.  What are the ages at which a random sample of college music majors took their first piano lesson? | |
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| --- | --- |
| 5.  What are the ages of Academy Award winning actresses from 1929 to 2014? | |
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**Teacher Notes**

Common Core Standards addressed by this activity:

Content Standards

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| --- | --- | --- |
|  Additional Focus | 6.SP.B.5 | Summarize numerical data sets in relation to their context, such as by:   1. Reporting the number of observations. 2. Describing the nature of the attribute under investigation, including how it was measured and its units of measurement. 3. Giving quantitative measures of center (median and/or mean) and variability (interquartile range and/or mean absolute deviation), as well as describing any overall pattern and any striking deviations from the overall pattern with reference to the context in which the data were gathered. |

Primary Math Practices

MP 2 Reason abstractly and quantitatively.

MP 3 Construct viable arguments and critique the reasoning of others.

MP 4 Model with mathematics.

MP 6 Attend to precision.

Answer Key

|  |  |  |  |
| --- | --- | --- | --- |
| Problem | Group | Dot Plot | Statistics Table |
| 1 | Presidents’ Ages | D |  |
| 2 | 6th Graders’ Ages | B |  |
| 3 | Black Hawks’ Ages | A |  |
| 4 | Music Majors’ Ages | E |  |
| 5 | Academy Award-Winning Actresses’ Ages | C |  |

Encourage students to make use of all available information including the number of observations, the values in the data set, estimating the center, and considering the context of the situation.

The page of cards that accompany this activity can be printed on colored paper. Students can then cut out the cards and use a glue stick or tape to attach them below the corresponding statistical question. These cards can also be printed on Avery Shipping Labels 18163 (2” x 4”).