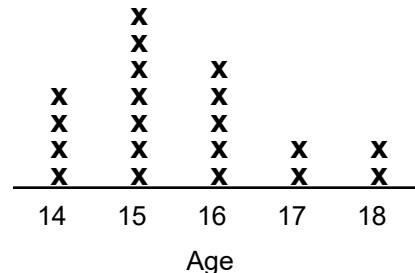1. The number of patients treated at Dr. Jason's dentist office each day was recorded for eight days. Using the given data, find the mean, median, and mode for this sample.
   11, 21, 4, 2, 10, 15, 14, 3

   [A] 10, 10.5, no mode

   [B] no mean, 10.5, 10

   [C] 10.5, 10, no mode

   [D] 21.5, 10, 10.5

2. Carlile was in charge of collecting contributions for the Food Bank. He received contributions of $10, $90, $40, $30, $10. The next potential contributor wanted to give an amount in line with the other contributions, so he asked "What is an acceptable amount to give?" If Carlile uses the mean (average) as the answer to the question, what amount will he tell the potential contributor?

   [A] $ 30   [B] $ 36   [C] $ 90   [D] $ 10

3. The average number of days of thunderstorms at 16 Canadian airports are given.
   5 10 21   5 22 25 28 28
   19 16   2 21   3 26   1 28
   a) Find the range.   b) Find the mean.

   [A] a) range: 21 b) mean: 19

   [B] a) range: 23 b) mean: 11.25

   [C] a) range: 28 b) mean: 20

   [D] a) range: 27 b) mean: 16.25

4. The temperature on Mars reaches $27°C$ during the day and $-125°C$ at night. What is the average temperature?

   [A] $+76°C$ [B] $-49°C$

   [C] $-76°C$ [D] $+49°C$

5. Find the mean water temperature for a shallow lake given these readings.
   $72°$, $74°$, $71°$, $74°$, $73°$, $74°$

6. Randy recorded the following low temperatures during one week in January.
   $-5°F$ $1°F$ $3°F$ $-10°F$ $-4°F$ $-7°F$ $12°F$
   Use a calculator to find the mean low temperature for that week. Round to the nearest degree.

7. A teacher asked his class of 20 students, "What is your age?" Their responses are shown on the line plot below.

   ```
              X
              X
              X    X
        X     X    X
        X     X    X
        X     X    X    X    X
        X     X    X    X    X
       ─────────────────────────
       14    15   16   17   18
                  Age
   ```

   Find the mean, median, and mode of the data.

8. The ages of a group of friends are listed.
    48 32 29 33 52 48 45 33
    Find the mean, median, and mode.

9. Marty sent 4 packages. Their masses were 3 kg, 500 gm, 660 g, and 5 kg. What was the approximate average mass of the packages?

    [A] 2300 g   [B] 5 kg   [C] 6500 g   [D] 3 kg

10. This frequency table shows some data from accident reports at a traffic police station.

Length of Skid Mark (meters)	Number of Skids Measured
20 m	13
25 m	22
30 m	24
35 m	44
40 m	43
45 m	54

    Find the median of the skid mark lengths. Use that number for d in the formula $s = \sqrt{15d}$ in order to find the corresponding car speed to the nearest meter per second.

[1] A

[2] B

[3] D

[4] B

[5] 73°

[6] about $-1°$ F

[7] mean = 15.55, median = 15, mode = 15

[8] 40, 39, 33, 48

[9] A

[10] 23 m/s