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15, 16, 18, 21, 25, 30, 32, 35

- ① Find mean
- ② See how many values are close to the mean

$$\frac{15+16+18+21+25+30+32+35}{8} = \frac{192}{8} = 24$$

C

* New data set with next four games

15, 16, 18, 21, 22, 24, 25, 27, 30, 32, 35

↑
mean

When these values were added, there are more numbers that are grouped close to the mean. Therefore, C is correct - the data distribution would become more peaked and less widely spread.

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- ① Find line of best fit
- ② Find data values that match line of best fit.
- ③ Compare to the data values in the table.

Line of best fit:
 $y = 1.13x + 4.1$

| | Shoe | Age | Line of Best Fit value |
|---|------|-----|------------------------|
| T | 6 | 9 | 10.88 ✓ |
| M | 6 | 11 | 10.88 |
| P | 7 | 15 | 12.01 ✓ |
| B | 8 | 11 | 13.14 ✓ |
| D | 9 | 15 | 14.27 |
| J | 10 | 16 | 15.4 |
| | 12 | 17 | 17.66 |

$\frac{3 \text{ more than 1 year diff.}}{7 \text{ total}} = 43\%$

C