# Bowling with Jacob

# Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour:\_\_\_\_\_\_\_\_

Jacob decided to bowl with various weights of bowling balls and see how many pins he knocked down. He decided to try the 8 lb., 10 lb., and 14 lb. bowling balls. He made 5 attempts to knock down 10 standing pins with each weight. He then took the average number of pins for each weight.

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| Weight of bowling ball | Pins knocked down (average) |
| 8 lb. | 6.4 |
| 10 lb. | 4.8 |
| 14 lb. | 3.8 |

Which weight of bowling ball do you think Jacob should use? Explain your reasoning.

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How did the data that Jacob collected help you make your decision?

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Could data help people make decisions in other sports as well? Give examples.

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