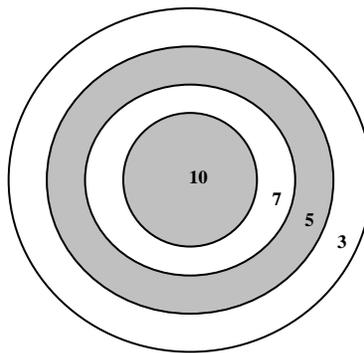


BULL’S EYE

The archery target shown below is made of four circles, with radii of 1 foot, 2 feet, 3 feet, and 4 feet, and with points as marked. If you shoot an arrow at random at the target, and it does not miss the target altogether, what is the chance that you will earn a score of 10? What is the chance of earning a 7? a 5? a 3?



Write an explanation that a younger student could understand, describing how you arrived at your answers.

[Source: A Collection of Performance Tasks and Rubrics: Middle School Mathematics, Eye on Education, Larchmont, NY]

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