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VIDEO GUIDE · UNIT 0 · TOPIC 0.3

Percentile Ranks

Watch the lesson

Name _____ Class _____ Date _____

NOTES: FILL IN THE BLANKS WHILE YOU WATCH

1. A _____ is the percentage of scores in a distribution that fall below a specific score. It shows where a score falls compared to others, not whether it is good or bad: a 90th-_____ reaction time is slower than 90% of participants.

CHECK YOUR UNDERSTANDING

1. A student answered 70% of the questions on a test correctly, and her score is at the 40th percentile. What does this tell you?

(A) She answered 40% of the questions correctly

(B) She scored higher than 70% of the class

(C) About 40% of the scores were below hers

(D) Her score was below average because 70% is a low grade

2. A woman's height is in the 93rd percentile among U.S. women. If her height were compared with professional basketball players instead, her percentile rank would most likely:

(A) Drop, because the comparison group is taller

(B) Stay at 93, because her height didn't change

(C) Rise, because athletes are compared differently

(D) Become 100, because percentiles max out

3. A child's weight is in the 60th percentile. A parent asks whether this means the child is healthy. What is the best answer?

(A) Yes, any score above the 50th percentile is healthy

(B) No, it means 60% of children are healthier

(C) It means the child is at 60% of an ideal weight

(D) It shows the child weighs more than about 60% of the comparison group, not whether that is good or bad

NOTES

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