Bias

INTRODUCTION AND PURPOSE

- Describe what BIAS means for the purpose of these modules
- Detect POTENTIAL BIAS in assessment items
Bias

KEY CONCEPTS

Bias

bias when an assessment provides an advantage or disadvantage to groups of students because of their personal characteristics, such as race, gender, socioeconomic status or religion.

Bias

We detect bias at the group level, not the individual level.
Which of the following measures could be the length of a typical hole in a golf course?

a. 300 inches  
b. 300 feet  
c. 300 yards  
d. 300 miles

Choose the conjunction that completes the sentence:

Quarterbacks are often sacked during games _____ they do not have a good offensive line.

a. even though  
b. although  
c. in spite of  
d. because
Bias

**KEY CONCEPTS**

Choose the conjunction that completes the sentence.

Quarterbacks are often sacked during games _______ they do not have a good offensive line.

a. even though  
b. although  
c. in spite of  
d. because

**KEY CONCEPTS**

Choose the conjunction that completes the sentence.

Football quarterbacks, who line up directly behind the offensive line, are often tackled during games _______ they do not have a good offensive line.

a. even though  
b. although  
c. in spite of  
d. because

**KEY CONCEPTS**

Choose the one answer that best solves the problem.

If one card is taken at random from a deck of playing cards, what is the probability that the card will be an ace?

a. 8 percent  
b. 50 percent  
c. 25 percent  
d. 10 percent

Source: New Jersey Department of Education. SGO 2.0 — From Compliance to Quality. (2014).
If one card is taken at random from a deck of playing cards, what is the probability that the card will be an ace?

a. 8 percent  
b. 50 percent  
c. 25 percent  
d. 10 percent

We detect bias at the **group** level, not the **individual** level.
Mr. Torres sold a total of 30 boxes of sports cards at his store on Monday. These boxes contained only baseball cards and football cards. Each box contained 25 sports cards. He earned $3 for each sports card he sold. He earned a total of $1,134 from the football cards he sold.

What amount of money did Mr. Torres earn from the baseball cards he sold? In the space below, use pictures, numbers and/or words to show how you got your answer.

Source: Oregon Department of Education, "Grade 4 Mathematics Sample ER Item Claim 2."
Bias

CHECK FOR UNDERSTANDING

Describe what BIAS means for the purpose of these modules

Detect POTENTIAL BIAS in assessment items

CHECK FOR UNDERSTANDING

Assessment Item
CHECK FOR UNDERSTANDING

1. Which of the following is most likely an example of bias in an assessment item?
   a. An assessment item that is too rigorous for some students
   b. An assessment item that assumes knowledge of religious traditions
   c. An assessment item that includes typos and grammatical mistakes
   d. A social studies assessment item with a political cartoon

CHECK FOR UNDERSTANDING

1. Which of the following is most likely an example of bias in an assessment item?
   a. An assessment item that is too rigorous for some students
   b. An assessment item that assumes knowledge of religious traditions
   c. An assessment item that includes typos and grammatical mistakes
   d. A social studies assessment item with a political cartoon

CHECK FOR UNDERSTANDING

1. Which of the following is most likely an example of bias in an assessment item?
   a. An assessment item that is too rigorous for some students
   b. An assessment item that assumes knowledge of religious traditions
   c. An assessment item that includes typos and grammatical mistakes
   d. A social studies assessment item with a political cartoon

CHECK FOR UNDERSTANDING

1. Which of the following is most likely an example of bias in an assessment item?
   a. An assessment item that is too rigorous for some students
   b. An assessment item that assumes knowledge of religious traditions
   c. An assessment item that includes typos and grammatical mistakes
   d. A social studies assessment item with a political cartoon
Bias