

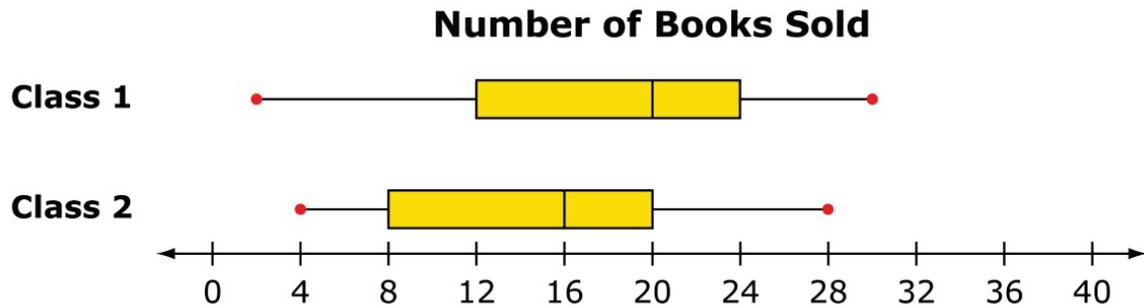
Grade 7 Mathematics Sample SR Item



MAT.07.SR.1.000SP.H.164

Sample Item ID:	MAT.07.SR.1.000SP.H.164
Grade:	07
Claim(s):	Claim 1: Concepts and Procedures Students can explain and apply mathematical concepts and carry out mathematical procedures with precision and fluency.
Assessment Target(s):	1 H: Draw informal comparative inferences about two populations.
Content Domain:	Statistics and Probability
Standard(s):	7.SP.4
Mathematical Practice(s):	2, 3, 5
DOK:	2
Item Type:	SR
Score Points:	1
Difficulty:	M
Key:	B
Stimulus/Source:	
Target-Specific Attributes (e.g., accessibility issues):	
Notes:	

The number of books sold by each student in two classes for a fundraiser is summarized by these box plots.



The principal concluded that there was more variability in the number of books sold by Class 1 than Class 2. Which statement is true about the principal's conclusion?

- (A) It is valid because the median for Class 1 is greater than the median for Class 2.
- (B) It is valid because the range for Class 1 is greater than the range for Class 2.
- (C) It is invalid because the minimum value for Class 1 is less than the minimum value for Class 2.
- (D) It is invalid because the interquartile range for Class 1 is less than the interquartile range for Class 2.

Key and Distractor Analysis:

- A Assumed the median is a measure of variability
- B Correct
- C Assumed the minimum value is a measure of variability
- D Did not correctly determine interquartile range