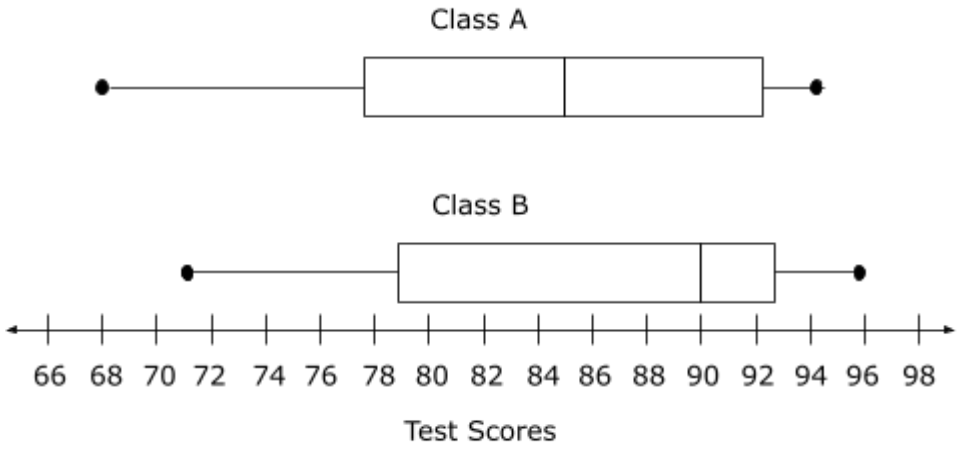
AUBURN SCHOOL DISTRICT
ENGAGE • EDUCATE • EMPOWER

Student Name_____
Date _____
Grade 7 Formative _____/

7.SP.B 3-4 TH.E1-2
Compare Populations

1

The box plot shows a summary of test scores for Class A and Class B on the same exam. Both classes have the same number of students.

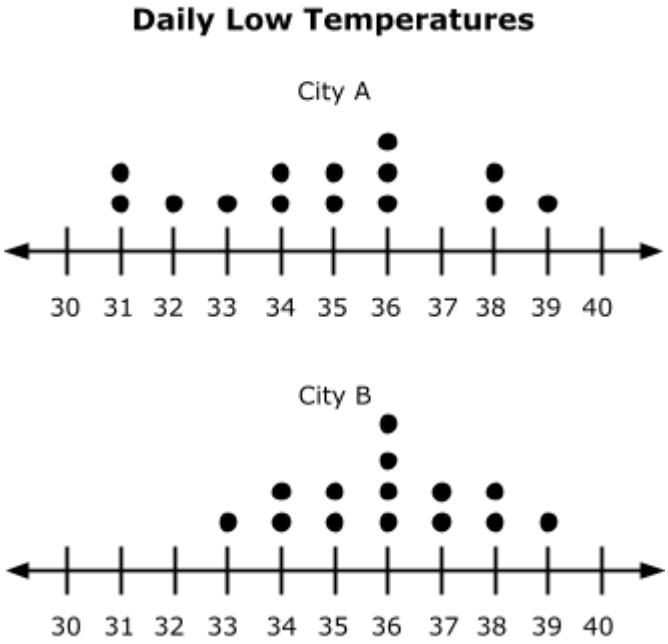


Determine whether each statement is true based on these box plots. Select True or False for each statement.

Statement	True	False
In each class, at least 25% of students scored below 80 on the test.		
The median test score of Class B is 5 points less than the median test score of Class A.		
In each class, more than 25% of students have test scores greater than 90.		

2

The double dot plot below shows the daily low temperatures of two cities in January over a two week period. Determine if each statement is true or false.



Determine whether each statement is true based on the dot plots.
Select True or False for each statement.

Statement	True	False
The medians are the same.		
The interquartile ranges are the same.		
The temperatures for City B are more consistent.		

3

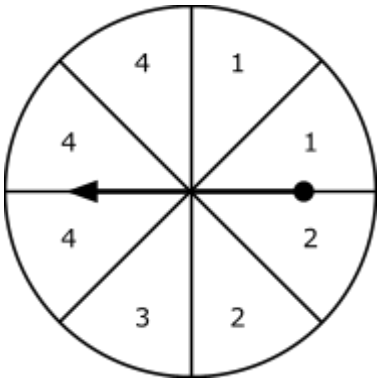
This table shows the results of randomly selecting colored marbles from a bag 20 times.

	Red	Yellow	Blue	Orange	Purple	Green
Number of Times Selected	7	4	3	1	0	5

Based on these results, enter the expected probability of selecting a red marble from the bag in one attempt.

4

This spinner is divided into 8 equal-sized sections.

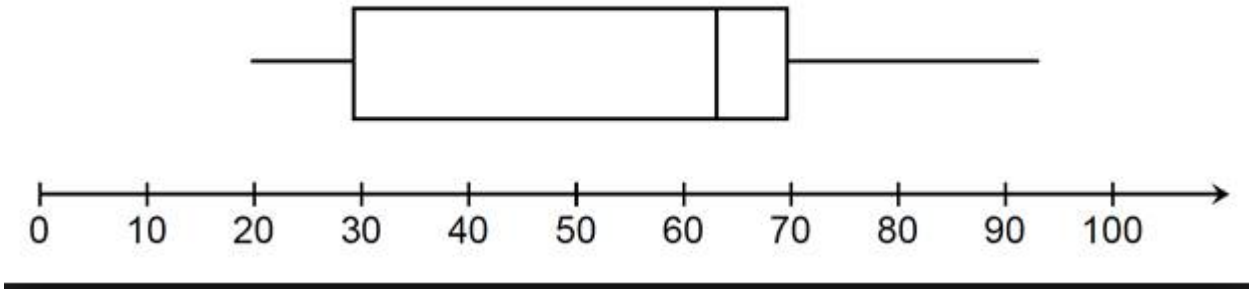


Enter the probability of the arrow landing on a section labeled 2 on the first spin.

5

(Worth 6 points)
Below is a boxplot

Mrs. Jody's Students Test Scores



- What is the interquartile range?_____
- What is the median test score?_____
- What is the minimum?_____
- What is the maximum?_____
- What is Q1 value?_____
- What is Q3 value?_____