			1/0.	Λ				
Geo U4 SBAC Practice		Name_	KW	<u> </u>		D	ate	_ Period
Part A: Statistics  1. Use the provided axes to c	onstruct a		(	<del>}</del>				
histogram of the data set.	onstruct a	10-F	requenc	y				
56,58,60,62,67,72,80,	85,85,89,995	9—						
		8—						
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60 E X = 70 3		5—						
76 = x = 80 1		4—				Γ		
80 4 x < 90 4		3 2		***************************************		ouver liken confronter	THE TRANSPORTER TO SERVE	
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common misconception: st	aduto often	<del></del> (	x < 60	7	0	80	90	100
forget which ben to assign if it lands on the boundo 2. Select whether the statistic	والأحمأك بنباؤنها واست		en 50 pm					
2. <b>Select</b> whether the statistic	is greater for cla	ass A, clas	s B, or in	npossib	le to de	termine	<del></del>	
common misconceptions: s								
don't see the doto as inc	dividuals	Dinne	ers Sold					
and will calculate the	mem m	ØBa²						
median using values one	<i>&gt;</i>	A A					Weam =	: 3.6
when they are			<b>8</b>		,	•	median	= 3
represented 2+ times cla	cc R LL	1 1	1 1		1	L	ronge =	9-1=8
						Τ		
EX: calculating the weam of set A by:	1 2	3 4	5 6	i 7	8	9		
when it set A my			£	<b>)</b>				
1+2+3+4+5+9		·	<i>@</i> 6	Ò				
6	ø		<b>6</b> 8 <b>6</b>	Y <b>6</b> 8	<b>a</b> -		mean =	< 3
students also might know Cla		<b>,</b>		,	ا	1	ione dim	= h
the median is	ss A 🕂 📙	1				+	VI DO ION	=b 8-2=b
anistant and unistakenh	1 2	3 4	5 6	7	8	9	conge=	8-2=6
noistant and unistalkenly select "impossible to Jet	ermine!							
	Greater for Cl	ass A	Greate	r for Cl	ass B		Impossi	
Mean dinners sold				X)			Detern	IIIIC
Median dinners sold								
Range of dinner sold	<u> </u>					<u> </u>		
Front Unified School District 1	Induted March O	2020 Da	1					

Part B: Outcomes.	Events	and Sample	Spaces	IS-CP.1
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A high school Biology class has 32 students. Of these, 18 are in Algebra 1, 7 are in Geometry, 5 are in Algebra 2, and the remainder have no math class. Suppose that a person is selected at random from the class.

Select True or False for each statement.

	True	False
The probability that the student is in Algebra is less than $\frac{1}{2}$ . $\frac{18}{3z}$		Ø
The probability that the student is in Geometry or Algebra 2 is $\frac{12}{32}$ .	Þ	
$\frac{2}{32}$ . The probability that the student doesn't have a math class is $\frac{1}{16}$ .	)ZŠ.	

Part C: Conditional Probabilities & Independence [S-CP.2, S-CP.3, S-CP.4]

A bag contains 6 green balls, 7 orange balls, and 2 red balls. Determine which is more likely to occur, justifying your reasoning.

> Scenario A: Randomly select a green ball from the bag, then selecting a second ball from the bag randomly and having it be red (without replacement).

> Scenario B: Randomly select an orange ball from the bag three times in a row, returning the ball to the bag after each attempt (with replacement).

Scenario A'

Scenario A'

9'keen 

$$72\sqrt{17} = \frac{12}{306} = \frac{2}{51} = 3.9\%$$

Scenario B: 
$$\left(\frac{7}{18}\right)\left(\frac{7}{18}\right)\left(\frac{7}{18}\right) = \frac{343}{5832}$$

$$\left(\frac{7}{18}\right)\left(\frac{7}{18}\right)\left(\frac{7}{18}\right) = \frac{5}{5832}$$

< .9% Scenara B is more likely

A car rental company purchases 65% Toyotas and 35% Hondas. It is known that 4% of Toyotas have a 5. production defect while 6% of Hondas have a production defect.

Suppose one of the rental company's new vehicles is found to have a production defect. Determine the probability that it is a Honda. Show your work,

