## PRACTICE EXERCISES

1 - 3: Here is the grade distribution for Professor de Sade's math class:

Grade	Frequency			
A	0			
В	2			
С	4			
D	28			
F	44			

If a student is randomly selected, what is the probability that he/she...

- 1. ... had a grade of C?
- 2. ...didn't have an F?
- **3.** ...had an A?
- **4.** Suppose that the FSU football team plays six home games this year, including games against Georgia Tech and Miami. If Gomer's uncle randomly picks two of his six tickets to give to Gomer, what is the probability that they will be for the Georgia Tech and Miami games?
- **5.** So far this basketball season, Plato has attempted 82 free throws and has made 62 of them. What is the probability that he will make a given free throw?

<b>6 - 8:</b> A poll (this data is a		Colonial Willi	amsburg Fo	oundation revea	aled the following		
47% know the Declaration of	ricans know the lat the phrase ". of Independenc t George Wash	Life, Liberty a e.	and the Purs	suit of Happine	ess" is found in the		
	ne probability the property is four B. 47/135			independence?	'Life, Liberty and the		
			an knows tl	nat George Wa	shington was a		
Revolutionar A9	y War general <sup>4</sup> B1		D01				
<b>8.</b> What is the probability that an American does not know that "Just Do It" is a Nike slogan?							
A79	B21	C. 7.9	D. 2.1				
<b>9.</b> What are the odds in favor of a randomly selected American knowing that "Just Do It" is a Nike slogan?							
A. 79:100	В. 21	:100	C. 79:21	1	D. 21:79		
10. A "combination" lock has a three-number "combination" where the numbers are chosen from the set {1, 2, 3,, 19, 20}.  What is the probability that the "combination" has no repeated numbers?  A00015  B75  C15  D855							
test in order to clueless on the	to get a C- in the ne other four pr ty that he will g	ne course. He oblems. If he	knows the a just guesses 100%? (Fo	nswers to 21 os at the other for	o get a 100% on this of the questions, but is our problems, what is e-choice problem		

## ANSWERS TO PRACTICE EXERCISES

 1. 4/78 ≈ .051
 2. 34/78 ≈ .436
 3. 0
 4. 1/15

 5. 62/82 ≈ .756
 6. D
 7. C
 8. B

 9. C
 10. D
 11. C