	What is the probability of rolling a number decimal places.	less than 4? Express your answer as	s a simplified fraction or a decimal rounded to four		
	Answer :				
	A box contains $51\mathrm{red}$ marbles, $14\mathrm{white}$ m If a marble is randomly selected from the b decimal rounded to four decimal places.		red? Express your answer as a simplified fraction or a		
	Answer:				
3.	Write out the sample space for the given ex	periment. Use the letter B to indica	ite boys and G for girls.		
		A couple plans to have 2 chik	dren.		
	Answer :				
4.	blue, T for teak, G for gray, and E for ebony While renovating your house,				
	Answer :				
	Decide if the following probability is classical, empirical, or subjective. You believe that you have a 7% chance of getting into an accident on your way to school.				
	A) Subjective Probability	B) Empirical Probability	C) Classical Probability		
	Decide if the following probability is classical Selecting a black card from a standard deck	•			
	A) Subjective Probability	B) Empirical Probability	C) Classical Probability		
	Decide if the following probability is classic:	· · · · · · · · · · · · · · · · · · ·	uro living in the dorme		
	At a local university, you poll a group of 95		-		
	A) Subjective Probability	B) Empirical Probability	C) Classical Probability		

1. A standard six-sided die is rolled.

8.	. There are 228 identical plastic chips number What is the probability of reaching into the backwar as a simplified fraction or a decimal	box and randomly drawing a		umber tha	it is greater than 116? Express your
	Answer:				
9.	A coin is tossed 7 times. What is the probabi rounded to four decimal places.	ility of getting at least one ta	il? Expr	ess your a	inswer as a fraction or a decimal number
	Answer :				
10.	A card is drawn from a standard deck of 52 j your answer as a fraction or a decimal numb				e card will be a diamond or a club? Express
	Answer:				
11,	A standard pair of six-sided dice is rolled. Wi a decimal number rounded to four decimal p	hat is the probability of rolli places.	ng a sur	n less tha	n 107 Express your answer as a fraction or
	Answer:				
12. A newspaper company classifies its customers by gender and location of residence. The research department has gathered data from a random sample of 1614 customers. The data is summarized in the table below.					esearch department has gathered data
		Gender and Residence	f Cust	omers	
			Males	Females	
		Apartment	233	151	
	_	Dorm	297	88	
		With Parent(s)	51	71	~
	<u></u>	Sorority/Fraternity House	180	152	
	L	Other	177	214	
	What is the probability that a customer is fer places.	male? Express your answer a	ıs a fra	ction or a	decimal number rounded to four decimal
	Answer :				
13.	Find the number of outcomes in the complete	ment of the given event.			
	Out	t of 268 books in a bookcase	e, 177 a	are fiction	al.
	Answer:				

4.6 Describe the complement of the characters
14. Describe the complement of the given event. 65% of nineteen-year-old males are at least 178 pounds.
object mineteen year on males are acrease tro pounds.
Answer :
15. Determine whether the following events are mutually exclusive.
Choosing a diamond or a club out of a standard deck of cards.
A) Mutually Exclusive
B) Not Mutually Exclusive
16. Determine whether the following events are mutually exclusive.
Choosing a three or a club out of a standard deck of cards.
A) Mutually Exclusive
B) Not Mutually Exclusive
17. Determine whether the following value could be a probability.
0.15
A) Yes
B) No
18. Determine whether the following value could be a probability.
-0.02
A) Yes

19. Determine the value that can NOT be a probability.

four decimal places.

B) No

A) $\frac{4}{3}$

B) 25% C) 0 D) 0.75

20. Three cards are drawn with replacement from a standard deck. What is the probability that the first card will be a heart, the second card will be a red card, and the third card will be a face card? Express your answer as a fraction or a decimal number rounded to

 $\frac{4}{3}$, 25%, 0, 0.75

	Answer :				
21.	Two cards are drawn without replacement from the second card drawn, if the first card, drawn wnumber rounded to four decimal places.				
	Answer :				
22.	There are 84 students in a history class. The inst	tructor must cho	ose two	students at	random.
		Students in a History Class			
			Males	Females	
		Freshmen	4	12	
		Sophomores	2	15	
		Juniors	2	20	
		Seniors	15	14	
23.	a decimal number rounded to four decimal place. Answer: Suppose you like to keep a jar of change on you		/, the jar	contains th	e following:
		17 Pennles		9 Dimes	_
		19 Nickels			5
	What is the probability that you reach into the jar and randomly grab a quarter and then, without replacement, a dime? Express your answer as a fraction or a decimal number rounded to four decimal places.				
	Answer :				
24.	Determine if the following events are independe	ent,			
	Jeff goes out to eat for dinner. Rebecca rents a movie.				
	A) Dep	pendent	B) Inc	dependent	

25.	A value meal package at Ron's Subs consists of a drink, a sandwich, and a bag of chips. There are 5 types of drinks to choose from, 6 types of sandwiches, and 4 types of chips. How many different value meal packages are possible?
	Answer:
26.	A coin is tossed 3 times. How many different outcomes are possible?
	Answer:
27.	User passwords for a certain computer network consist of 2 letters followed by 4 numbers. How many different passwords are possible? Repetition is allowed.
	Answer:
28.	You are ordering a new home theater system that consists of a TV, surround sound system, and DVD player. You can choose from 8 different TVs, 16 types of surround sound systems, and 22 types of DVD players. How many different home theater systems can you build?
	Answer:
29.	Out of 300 applicants for a job, 138 are male and 46 are male and have a graduate degree. Step 1 of 2:
	What is the probability that a randomly chosen applicant has a graduate degree, given that they are male? Express your answer as a fraction or a decimal rounded to four decimal places.
	Answer:
	Step 2 of 2: If 77 of the applicants have graduate degrees, what is the probability that a randomly chosen applicant is male, given that the applicant has a graduate degree? Express your answer as a fraction or a decimal rounded to four decimal places.
	Answer :