NAME	DATE	PERIOD
Unit 16 Test Review		SCORE
For Exercises 1–3, use the spinner shown. Determined of each event. Write as a fraction in simplest form. $\frac{1}{2}$	ne the probabilit	y B C
1. $P(C) = \frac{1}{1}$		FD
2. P(vowel) <u>3</u> <u>5</u>		E
3. <i>P</i> (<i>not</i> D) 6		
For Exercises 4–7, determine the total number of o	utcomes in each 24	sample space. 7.6(A)
4. picking a month of the year and tossing a com	···· 1 1 12	
5. rolling a number cube labeled 1–6 and tossing a :		
6. choosing a number from 1 to 10 and a day of the	week //	
7. choosing a setting on a washing machine from rea water temperature from hot, warm, or cold wat	egular, delicate, or er; and a cycle fro	r extra dirty; om regular rinse
or extra rinse		
8. A store is handing out coupons worth 10%, 15%, equally likely to be handed out. Describe a simulathis situation.	20%, or 25% off. ation that could b	Each coupon is be used to model
Sample answer: spinning a spinner w	ith four equa	l sections
A number cube labeled 1–6 is rolled and a letter is Determine each probability. 7.6(D)	selected from th	e word MUSIC. 1
9. <i>P</i> (2 and S) 30 10. <i>P</i> (6	and consonant) .	10
For Exercises 11 and 12, Bailey tossed a coin 10 tim	nes. The results v	vere 7 heads and
11. Determine the experimental probability of tossin	g tails. 10	
12. Compare the theoretical and experimental proba The theoretical probability $\frac{1}{2}$ is less the	bilities of tossing an the exper	heads. imental
probability <u>7</u> .		
13. Sohan rolled a number cube 90 times. She rolled Compare the theoretical and the experimental pr	the number 6 a t obabilities of roll	otal of 18 times. ing a 6. 1775 7.6(1) imental
probability $\frac{1}{6}$.		

Copyright \otimes McGraw-Hill Education. Permission is granted to reproduce for classroom use.

DATE

SCORE _____

Chapter 5 Test, Form 1A (continued)

14. Alice spins a spinner and rolls a number cube labeled 1–6. The spinner and the number cube are shown.



What is the probability that Alice's spinner will land on green and she will roll a 6? 1/1 1/2

- 15. A bag contains 4 red marbles and 2 white marbles. A marble is selected, kept out of the bag, and then another marble is selected. What is *P*(red, then white)? 7.6(D)
 4
- **16.** Stacey rolls two number cubes. What is the probability that the sum of the numbers on the two number cubes is 7? 16
- 17. A jar contains 5 blue marbles, 6 yellow marbles, and 4 green marbles. What is the probability of randomly choosing a yellow marble, not replacing it, and then 1

choosing a blue marble? **7.6**(D) **7**

18. Mary must select a colored ball from a bag. The bag contains 1 red ball, 1 blue ball, 1 green ball, 1 orange ball, and 1 yellow ball. Predict her chances of selecting a

green ball. **115** 7.6(D) **5**

19. Seven cards are numbered from 1 to 7 and placed in a box. One card is selected at random and not replaced. Another card is randomly selected. What is the

probability of selecting two odd numbers? **TEKS** 7.6(D) **7**

20. The table shows the results of an experiment Jane conducted using a box of colored disks. She repeated the process of selecting one disk, noting its color, and returning it to the box. Based on experimental probability, how much more likely is it that the next disk drawn will be purple than green? Use a problem-solving model to solve.

Color	Yellow	Green	Orange	Purple	Blue	2
Number of Times Selected	18	9	15	11	12	65