Specific Week: Week 8 and 9

10. Either black or an ace

Target Competency: Illustrates mutually exclusive events (M10SPIIIi-1) and solves problem involving probability. (M10SPIIIj-1)

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11. Both red or both fac	ce cards			
A. $\frac{8}{13}$	B. $\frac{4}{13}$	C. $\frac{1}{10}$	D. $\frac{1}{13}$	
12. A red card or a blac	_	10	13	
A. $\frac{2}{5}$	B. $\frac{1}{9}$	C. $\frac{1}{10}$	D. 1	
For # 13-15. A basket cont randomly from the basket,	ains fifteen chips num	nbered 1 to 15. If	a chip is drawn	
13. Seven or a number	divisible by 3?			
A. $\frac{2}{5}$	B. $\frac{1}{9}$	C. $\frac{1}{10}$	D. $\frac{1}{3}$	
14. Even or divisible by	/ 3?		_	
A. $\frac{2}{3}$	B. $\frac{4}{13}$	C. $\frac{1}{10}$	D. $\frac{1}{13}$	
15. A number divisible	by 3 or divisible by 4?	}		
A. $\frac{4}{8}$	B. $\frac{19}{30}$	C. $\frac{7}{15}$	D. $\frac{6}{8}$	
16. If a card is drawn getting a spade or	from an ordinary dec	13	nd the probability of	
A. $\frac{2}{5}$	B. $\frac{1}{9}$	C. $\frac{1}{10}$	D. $\frac{11}{26}$	
For # 17-20. A card is dra of getting	awn at random from a	52-deck of card.	20	
17. A spade or a Jack				
A. $\frac{8}{13}$	B. $\frac{4}{13}$	C. $\frac{1}{10}$	D. $\frac{1}{13}$	
18. A heart or an ace o	of spade			
A. $\frac{7}{26}$	B. $\frac{4}{13}$	C. $\frac{1}{10}$	D. $\frac{1}{13}$	
19. A red card or a Queen				
A. $\frac{8}{13}$	B. $\frac{4}{13}$	C. $\frac{1}{10}$	D. $\frac{7}{13}$	
20. A King or a Queen	15	10	13	
A. $\frac{7}{26}$	B. $\frac{4}{13}$	C. $\frac{2}{13}$	D. $\frac{1}{13}$	
For # 21-23 Å box contain taken at random. What is to21. A red or a green ba	ns 3 red balls, 4 greer he probability of gettir	n balls, and 5 blu	15	
A. $\frac{7}{12}$	B. $\frac{4}{13}$	C. $\frac{1}{10}$	D. $\frac{1}{13}$	
22. A green or a blue b		10	13	
A. $\frac{2}{5}$	B. $\frac{1}{9}$	C. $\frac{1}{10}$	D. $\frac{3}{4}$	
23. A red or a blue ball	,	10	7	
A. $\frac{2}{5}$	B. $\frac{2}{3}$	C. $\frac{1}{10}$	D. $\frac{3}{4}$	

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		•			
dult?					
B. $\frac{1}{2}$	C. $\frac{1}{10}$	D. $\frac{3}{4}$			
r citizen?	10	•			
B. $\frac{1}{2}$	C. $\frac{1}{10}$	D. $\frac{3}{4}$			
26. Children or an adult?					
B. $\frac{1}{9}$	C. $\frac{1}{10}$	D. $\frac{9}{20}$			
27. A teenager or a senior citizen?					
B. $\frac{1}{9}$	C. $\frac{11}{20}$	D. $\frac{9}{20}$			
For # 28-30. A box contains slips of papers containing two-digit positive integers. A slip of paper is taken at random, what is the probability of each event?					
	C. 1	D. $\frac{1}{13}$			
	10	13			
B. $\frac{4}{13}$	C. $\frac{3}{10}$	D. $\frac{1}{13}$			
	10	13			
B. $\frac{5}{9}$	C. $\frac{11}{20}$	D. $\frac{9}{20}$			
or Not!					
ch problem below.					
<ul> <li>mutually exclusive or not mutually exclusive. Write your answer in the blank.</li> <li>1. Maggi has 45 red chips., 12 blue chips, and 24 white chips. What is the probability that Maggi randomly selects a red chip or a white chip?</li> <li>Answer:</li></ul>					
re also members of the ent is on the honor roll	e varsity team. Wha	it is the probability that			
d-color males. Ruby mly chooses a puppy t	wants to keep one	e puppy. What is the			
mutually avaluating and	to (M40CDIII: 4)	colver problem involving			
	ens. What is the prodult?  B. $\frac{1}{2}$ or citizen?  B. $\frac{1}{9}$ hior citizen?  B. $\frac{1}{9}$ ns slips of papers condom, what is the product of the problem below.  T	B. $\frac{1}{2}$ C. $\frac{1}{10}$ or citizen?  B. $\frac{1}{2}$ C. $\frac{1}{10}$ lt?  B. $\frac{1}{9}$ C. $\frac{1}{10}$ nior citizen?  B. $\frac{1}{9}$ C. $\frac{1}{20}$ ns slips of papers containing two-digit andom, what is the probability of each ear a perfect cube  B. $\frac{4}{13}$ C. $\frac{3}{10}$ an 90  B. $\frac{5}{9}$ C. $\frac{11}{20}$ Or Not!  ch problem below. Determine whet the mutually exclusive. Write your answers 12 blue chips, and 24 white chips. What red chip or a white chip?  on the honor roll, 48 are members of the realso members of the varsity team. What the sent is on the honor roll or is a member of the realso members of the varsity team. What the color males. Ruby wants to keep one may chooses a puppy that is female and we have the color males. Ruby wants to keep one may chooses a puppy that is female and we have the color males. Ruby wants to keep one may chooses a puppy that is female and we have the color may be colored to the color may be colored to the color may be colored to the			

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probability. (M10SPIIIj-1)

For # 24-27. Suppose you are going to randomly choose one individual from a

and find the probability. You may refer your students to LM pages 335-351.

(This is a Government Property. Not for Sale.)

4. Carl's basketball shooting records indicate that for any frame, the probability that he will score in a two-point shoot is 30%, a three-point shoot, 45% and neither, 25%. What is the probability that Cindy will score either in a two-point shoot or in a three-point shoot?
Answer:
5. If a card is drawn from an ordinary deck of 52 cards, find the probability of getting a diamond or a face card.  Answer:
6. What is the probability of getting a diamond or a queen from a well shuffled deck of 52 cards?
Answer:
7. A lottery box contains 50 lottery tickets numbered 1 to 50. If a lottery ticket is drawn at random, what is the probability that the number drawn is a multiple of 3 or 5?  Answer:
8. There are 4 Kings in a deck of 52 cards. What is the probability of picking a King?  Answer:
9. Rhian likes to wear colored shirts. She has 15 shirts in the closet. Five of these are blue, four are in different shades of red, and the rest are of different colors. What is the probability that she will wear a blue or a red shirt?  Answer:
10. Marge has pairs of pants in three different colors, blue, black and brown. He has 5 colored shirts: a white, a red, a yellow, a blue, and a mixed-colored shirt. What is the probability that Marge wears a black pair of pants and a red shirt on a given day?  Answer:
Writer: <b>FELISA G. BASIJAN, Ed.D.</b> Validator: <b>KRYSTELLE R. DUMLAO</b>

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