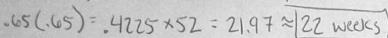
AMDM Unit 1 - 3 Checkpoint Review

Key

Shari gets an allowance of \$20 per week. She has decided she needs more money, so she has made a deal with her mother in hopes of increasing her weekly allowance. She proposes that she will throw a dart at the dart board. If she hits the board, she gets the original \$20 plus another shot at the dartboard for an additional \$20. If she misses the first throw, she only gets \$10 for the week. Shari hits the dart board 65% of the time.

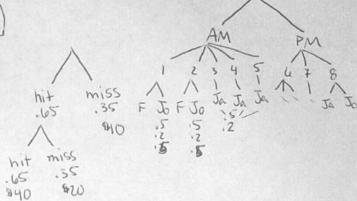
1. Shari's mom is worried about how often she will be giving her daughter \$40 a week. Given Shari's stats, how many weeks will her mom be out \$40?



Use the following information for questions 2-3. Morning classes will be 1^{st} - 5^{th}

Afternoon classes 6th-8th

The following are science classes.



 Before deciding on a morning or afternoon class, Lisa remembering she wants to take her math class during 4th period. What is the probability she will be scheduled a math class during this time?

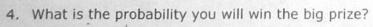
05(.2)=[1=10%

3. All of the afternoon science classes are filled & Lisa has a decision to take either Mrs. James or Mrs. Josey in the morning, what is the probability of Lisa taking a Science class in the morning with James or Josey?

Use the following information for questions 4-5.

You are thrown 4 fastballs and you must hit them in a fair zone to count.

If you hit all 4 in a fair zone you win the big prize
If you hit 3 in a fair zone you win a medium size prize
If you hit 1 or 2 in the fair zone you get the small prize
If you hit zero you do not win and receive no prize.

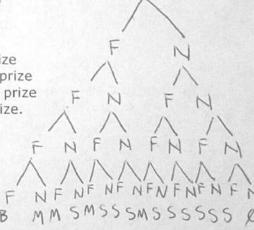


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5. What is the probability of getting the small prize?

6. Which of the following is a good definition for Compound Probability?

- a) Two events that do affect the other's chance of occurring.
- (b) Probability that takes into account a given event occurring.
- c) Probability from a chance experiment that has only 2 outcomes.
- d) The average of a probability distribution.



7. 50 students in Mr. Price's class received students to see if any of them received Moresponse was 12 received Modern Warfard Draw a Venn Diagram that correctly show	odern Warfare 2 (MV	V) or Uncharted	
8. The combo meal sale is a huge success how often items were chosen:	. They release som	e data showing tl	neir percentages of
Sandwich	Side	Drink	
Jr. Bacon Cheeseburger (65%) Crispy Chicken Sandwich (35%)	Fries (63%) Salad (17%) Baked Potato (20%)	(6)	Coke (33%) Diet Coke (18%) Dr. Pepper (26%) Sprite (23%)
So based on these sales numbers, what a Chicken Sandwich, fries or potato, and a D		next customer o	rders a Crispy
.35(.63+.20)= .05229	=5.2%		
9. If the odometer reading is 50,000 miles 103 inches, you have actually traveled is 93 inches.)	miles. (The	factory-installed	
is 93 inches.) 103 = 1.108 50,000	(1.108)=55,4	100 miles	
10. It is Joe Blow's first season of playing resulting in 51 singles, 12 doubles, 29 trip singles, and homeruns would Joe need to	baseball with the M les and 7 homeruns have a .629 sluggin	larlins. He has ha . How many mod g average?	re triples, doubles,
A. 1 single, 2 doubles, 3 triples, 4 homes. B. 4 singles, 3 doubles, 2 triples, 5 homes. C. 4 singles, 6 doubles, 1 triple, 5 homes. D. 6 singles, 1 double, 5 triples, 0 homes. E. The correct answer is not here.	eruns	1×2)+(29×3)+(= 350	1×4) = 196 = 543
11. Roshid plays for the NY Mets, and is the His total at-bats is 754. He has 154 single Rashid's slugging average? (154×1) +(47×2) + (25×3) + (25	es and 47 doubles. $50 \times 4) = 6094$	He has a total of 276 -154 -47	276 hits. What is = 75 ÷ 3 = 25
here? $\frac{6.60,000,000}{2}$ = $3.300,00$	0,000,0		
3. How many area codes would be possib wo digits could be any value 1-9?	le if the first digit co $\frac{9}{1-9} \times \frac{9}{1-9} \times \frac{9}{1-9} = \frac{9}{1-9}$		
4. The width of a tire P245/70R16 is			-
245 m	nm = 24.5 cm		

5280×2=

5,280 feet in one mile)

3467 1036073 - 32800 72 - 103600 - 147740
2.5 Her 103600 = 42240 people
proper
The aspect ratio of a rectangular shape is its length (L) divided by its width (W). It is expressed as L:W or L/W
16. The dimensions of a desk are 36in long and 24in wide. What is the aspect ratio of the desk?
$\frac{36}{24} = \frac{3}{2} = 1.5$
17. If the aspect ratio of a chalkboard is 7:5 and the width is 9 in, what is the length of the
OFFICE TO THE PROPERTY OF THE
$\frac{7}{5} = \frac{x}{9} \rightarrow \frac{63}{5} = \frac{5x}{5} \rightarrow \boxed{x = 12.6 \text{ in ches}}$
18. A television with a 6:4 pillar boxed image is displayed on a 16:9 ratio screen. What percent of
the screen's area is occupied by the image? (Divide the ratio of the smaller image by the ratio of
the larger image.)
4 - 6.9 - 8437C = 184 27CV

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15. You are standing amongst a crowd that is 5 feet deep and 2 miles long at a parade. You want to estimate how many people are there. If each person occupies 2.5 square feet, estimate the size of the crowd watching the parade along a 2 mile stretch. (Both sides of the street) (There are

Use the following for #19-21

use the following for #19-21.		
System 1	System 2	
Test Average- 50%	Test Average- 60%	
Final Exam Grade- 25%	Final Exam Grade-20%	
Homework- 15%	Homework- 10%	
Class Participation- 10%	Class Participation-	

- Test Average- 80
- Final Exam Grade- 62
- Homework 82
- · Class Participation- 90

19. Below are your values. Which grading system gives you the greatest average?

20. If you scored 10 points higher on a homework assignment, how would that affect your final grade?

21. Which grading system is the best benefited if you scored a 75 on your Test Average?