## Math Quiz – Seventh Grade

Name:	Date:			
What ratio can you use to determine the proba Drag words to complete the ratio. Each word r	[12] [12] [12] [12] [12] [12] [12] [12]			
	favorable	possible		
Picome	P(compound event) =	Number of	outcomes	
P(comp	ound event) =	Total number of	outcomes	
the table shows all the possible outcomes for spinning the qual-sized sections labeled A–D. What is the probability the ercent. Enter your answer in the box.  A B C D 1 1, A 1, B 1, C 1, D 2 2, A 2, B 2, C 2, D 3 3, A 3, B 3, C 3, D 4 4, A 4, B 4, C 4, D  (odd number, C) =   **  The tree diagram shows the sample space of rolling What is the probability of rolling the number 5 and the probability of rolling the num	g a cube with faces	land on an odd number and th	e letter C? Give the probability as	
1 V.500 (1875) / W				
O C. $P(5, H) = \frac{1}{12}$ O D. $P(5, H) = \frac{1}{18}$				
The organized list below shows all possib Each coin lands facing either heads up (H	l) or tails up (T)		flipped.	
ТТТ ТТТН ТНТТ ТТНН ТТНТ ТНТН ТН	НТ ТННН			
What is the probability that at least three Enter your answer in the box.	coins land facin	g tails up? Give the p	robability as a percent.	
Prat least three tails) =	%			

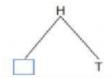


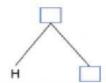
Jeremy is randomly selecting an outfit to celebrate Probability Day at his school. He can choose from a green (G) or purple (P) shirt, denim (D) or khaki (K) pants, argyle (A) or crew (C) socks, and boots (B), flip-flops (F) or sneakers (S). What is the probability that Jeremy will select an outfit that includes flip-flops (F) and argyle (A) socks?

- $\bigcirc$  A.  $P(\text{flip-flops}, \text{ argyle socks}) = \frac{1}{9}$
- O B.  $P(\text{flip-flops}, \text{ argyle socks}) = \frac{1}{4}$
- $\bigcirc$  C.  $P(\text{flip-flops, argyle socks}) = <math>\frac{2}{24}$
- O D.  $P(\text{flip-flops, argyle socks}) = \frac{4}{24}$

A fair coin is flipped twice. Drag letters to complete the tree diagram to represent the sample space.







Students will randomly select a file from a bag containing one red, one yellow, one blue, and one green tile, and then roll a cube with faces numbered 1 through 6. Drag files to complete the table. Each file may be used only once.



	1	2	3	4	5	6
Red	R-1	R-2	R-3		R-5	R-6
Yellow		Y-2		Y-4	Y-5	Y-6
Blue	B-1		B-3	B-4	B-5	B-6
Green		G-2	G-3		G-5	G-6

How many possible lunches can be made consisting of one entrée, one drink, and one snack? Enter your answer in the box.

Entrée Chicken Cutlet		Veggie Wrap	Lasagna	
Drink	Milk	Water	Iced Tea	
Snack	Fruit	Chips	Jello	



