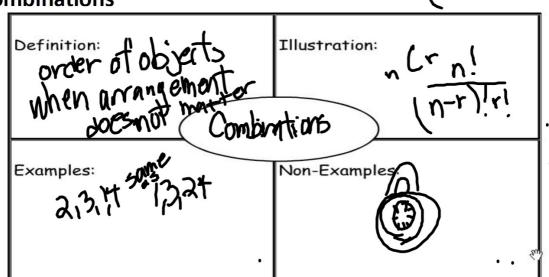
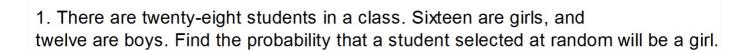
Timed Expectations



Have Assignment out to go over

In your journal, create a Frayer Model for Combinations

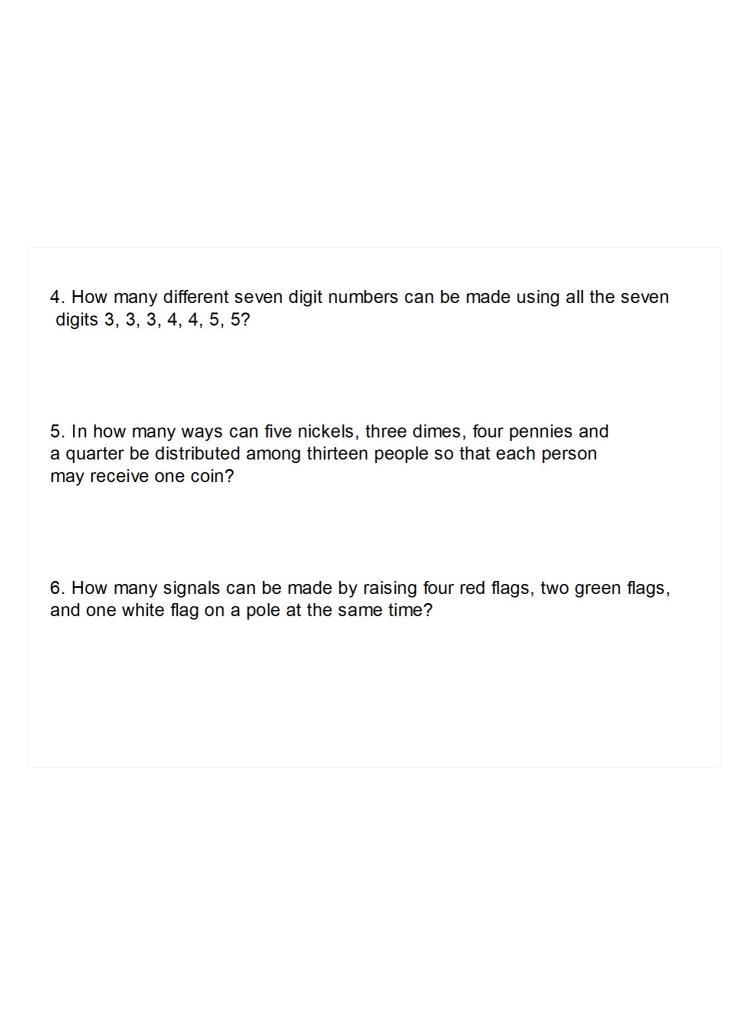


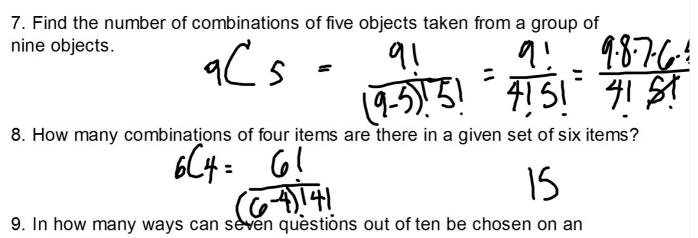


2. If two dice are thrown, what is the probability of getting a sum of eight?

3. If six cards are drawn at random from a deck of 52 cards, what is the probability that they are all spades?

52C





examination?

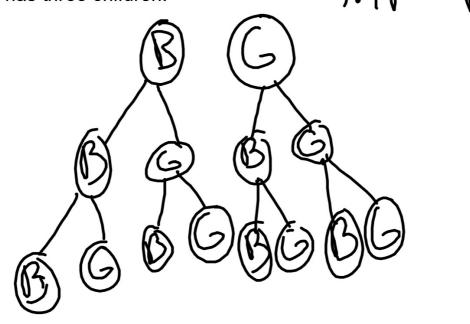
Quiz #1 Study Guide/ Practice Problems

1. Each letter in the word "PARTS" is written on a card and the cards are shuffled. List a sample space for the outcome of drawing one card.

{P,A,R,T,5}

2. Two balls are to be drawn successively from a bag known to contain only blue balls and green balls. List a sample space for the experiment.

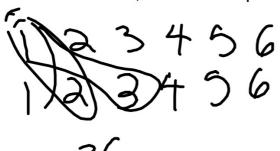
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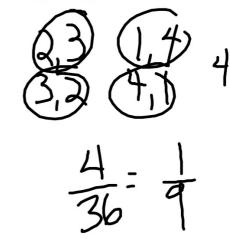


4. There are sixteen are girls, and ten are boys. Find the probability that a student selected at random will be a girl.

$$\frac{10}{26} = \frac{5}{13}$$

5. If two dice are thrown, what is the probability of getting a sum of five?





numbered 1-10

6. How many ways can ten AFM textbooks be arranged on a shelf?

7. In how many ways can the offices of president, secretary and treasurer be filled from a group of twelve people?

$$\frac{12^{-3}}{12^{-3}} = \frac{12^{-3}}{12^{-3}} = \frac{12^{-3}}{91}$$

8. In how many ways can six girls be arranged in a straight line?

9. A theater has eight entrances. In how many ways can you enter and leave by a different entrance? $8 = \frac{8!}{6!}$

10. In how many ways can nine boys be arranged in a straight line if one particular boy is to be at the beginning of the line, one particular boy is to be in the middle of the line, and one particular boy is to be at the end of the line?

11-15. If a number is selected at random from the set of numbers 1, 3, 17, 25, 71, what is the probability that the number is

(11) an odd digit?

5/3

(12) an even digit?

0/5

(13) divisible by 3?

1/5

(14) a prime number?

4/5

(15) a composite number?

1/2

16. You are going through the drive through at Cook Out& you are buying a tray. How many different combos could you purchase?(You are NOT doubling up on sides!)

6P1 · 7P2 · 3P1



Assignment Probability Assignment #4 (Handout)



