MNU 4-22a

Homework 3

Bronze Level



Outcome 1 - Estimating Probability

Draw a probability line for each of these sets of events...



- (a) Selecting the letter C from the word CORRECTING.
- (b) Toss a coin and it will land on 'tails'.
- (c) Choosing an even number from 1, 2, 2, 3, 4, 5, 7, 8, 9, 11.





- (a) An animal picked from 8 cats and 2 dogs will be a dog.
- (b) Selecting the letter S from the word PESSIMISTS.
- (c) Picking a black card from a pack of playing cards.



- (a) Selecting an odd number form 2, 3, 4, 5, 6, 7, 8, 8, 10, 11.
- (b) Picking the 1 bad pear from a bag of 10 pears.
- (c) The next child you see will be a boy.





- (a) Selecting the letter N from the word RECOUNTING.
- (b) Picking an apple from a bowl with 6 apples, 3 pears and a banana.
- (c) Picking a black pen from a box with 7 red and 3 black.

Outcome 2 - Calculating Simple Probability

Write down the probability of each event happening...



Rolling a dice and getting a score less than 4.



Picking an odd number from the list :-

1, 3, 4, 6, 8, 9, 10, 12, 14, 15.

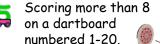


Selecting the letter P from the word POWERPOINT.



Picking an even number from the list :-

2, 3, 5, 7, 8, 11, 13, 15.





Winning a raffle when Buying 14 out of the 150 tickets sold.





Choosing a red pencil from a box containing a 6 red, 8 blue and 2 green pencils.



Choosing a boy at random from 6 boys and 12 girls.



From a bowl containing 4 apples, 10 oranges, 2 pears and 6 oranges, selecting an orange.

Outcome 3 - Choosing at Random

A bag contains a green counter, 3 red counters, 2 yellow counters and 6 blue counters. A counter is chosen at random. What is the probability of **NOT** choosing...



a green counter?



a red counter?



a yellow counter?



a blue counter?



a purple counter?

A bag contains a purple token, 2 red tokens, 6 blue tokens and 9 green tokens. A token is chosen at random. What is the probability of NOT choosing...



a purple token?



a red token?



a blue token?



a green token?



a yellow token?