

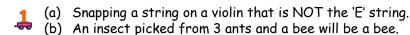
MNU 3-22a

Homework 5

Silver Level



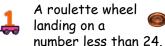
Draw a probability line for each of these sets of events...



- (c) Picking a black playing card at random.
- (a) NOT choosing a 1p coin from change of 1p, 2p, 5p and 10p.
 - (b) Roll a dice and it will land on a number less than 4.
 - (c) Breaking the 'D' string on a bass guitar.
- (a) The next child you see will be a girl.
 - (b) Picking a blue pen from a box with 1 blue and 3 red.
 - (c) NOT picking the 1 bad banana from a bag of 4 bananas.
 - (a) Bursting a tyre that is on the back left of the car.
 - (b) Roll a dice and it will land on an even number.
 - (c) NOT choosing a 'club' from a pack of cards.
- (a) Toss a coin and it will land on 'heads'.
 - (b) NOT choosing 'wind' at random from the four elements.
 - (c) Selecting the letter T from the word MATH.

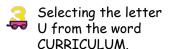
Outcome 2 - Calculating Simple Probability

Write down the probability of each event happening...



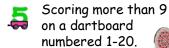


Picking an odd number from the list:- 20, 23, 25, 26, 28, 31, 33, 35.



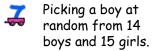


Picking an even number from the list:- 31, 33, 34, 37, 38, 39, 40.





Winning a raffle when
Buying 11 out of the 200
tickets sold.





Choosing a blue pencil from a box containing 6 red, 5 blue and a green pencil.



From the days in a non-leap year, picking a day in February.



From a bowl containing 9 apples, 5 oranges, 2 pears and an orange, selecting an apple.

Outcome 3 - Choosing at Random

A bag contains a green counter, 4 red counters, 2 yellow counters and 7 blue counters. A counter is chosen at random. What is the probability of choosing...



a green counter?



a red counter?



a yellow counter?



a blue counter?



a purple counter?

A bag contains 3 purple tokens, 4 red tokens, 5 blue tokens and 8 green tokens. A token is chosen at random. What is the probability of choosing...



a purple token?



a red token?



a blue token?



a green token?



a yellow token?