Sample Space

List the sample space for the following.

1 A coin.

Sample Space is { _____ }

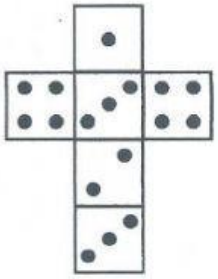
2 A die.

Sample Space is { _____ }

3 The spinner shown.

_____

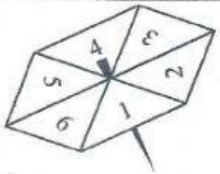
4 The dice with nets shown.



_____

Theoretical Probability

The spinner below is numbered 1 through 6. If the spinner is spun once find the probability of spinning:



14 An even number

_____

15 A number less than 5

_____

16 Spinning a factor of 8

_____

17 Not spinning a 2

_____

A lottery has 60 tickets, numbered 1 to 60. If a single ticket is selected, calculate the probability that the selected ticket will be a number that

21 Is less than 20 _____

22 Is a single digit number

_____

23 Is a multiple of 7

_____

24 Has at least one 5 as a digit

_____

Find the probability for these events.

A hat contains 3 blue marbles, 7 red and 6 green marbles. Find the probability (simplify) of selecting a

10 Green marble P(G) = _____

11 Blue marble _____

12 Black marble _____

13 Red or blue marble

_____

Attempting to decide on a date for a party, Don throws a dart at his calendar, which is open at the month of April as shown below.

Mon	Tue	Wed	Thu	Fri	Sat	Sun
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

April

If Don hits one of the numbered squares, what is the probability that the party will be

36 on a weekday?

37 on the weekend?

38 on a Saturday?

39 during the first week of April?

40 on April 9?