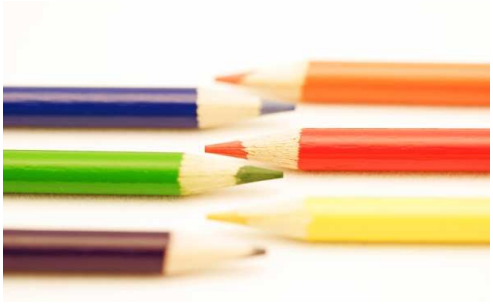
MasterMath

Name _____

Date _____

Probability

1. Assume you will be given one pencil. State the probability as a percentage.



What is the Probability that if one pencil is assigned to you, it will be orange?

16.7%

What is the Probability that you will be assigned a yellow or a green pencil?

33.3%

What is the probability that you will not be assigned a red pencil?

83.3%

2. Assume pencils are being assigned at random. State the probability as a percentage.

What is the probability that you will pick an "A"?

3.8%

What is the probability that you will pick a yellow letter?

15.4%

What is the probability of picking a blue "M"?

0.0%

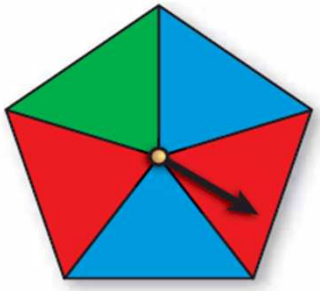
What is the probability of picking a orange letter?

19.2%

What is the probability of picking an "A", "B", or a "C"?

11.5%

3. Based upon this colored spinner, answer these questions:



What is the probability of landing on red?

40.0%

What is the probability of landing on blue or green?

60.0%

What is the sum of your answers to the last two questions? Explain why you would expect that sum?

They total 100%. That is because landing on red, blue or green are the only possibilities, so the number of ways to win equals the number of potential outcomes, and 5/5 = 100%.