**Simple Probability**

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| **1)** Describe each position A, B, C, D and E on the probability scale using appropriate vocabularly        http://www.mathster.com/course/simgs/76357415784_1.png | [1] |
| **2)** Alexander tosses a coin. Find the probability he gets a tail. | [1] |
| **3)** Jackson rolls a dice. Find the probability he gets a three. | [1] |
| **4)** Maria rolls a dice. Find the probability she gets an even number. | [1] |
| **5)** Find the probability that for a random spin of the spinner, the arrow points to 11.  http://www.mathster.com/course/simgs/76357415784_2.png | [1] |
| **6)** Find the probability that for a random spin of the spinner, the arrow points to 2.  http://www.mathster.com/course/simgs/76357415784_3.png | [1] |
| **7)** If you select a card at random from a standard pack of 52 playing cards (ace is counted as 1), find the probability of choosing        a) a Queen of Diamonds       b) a Spade      c) a Queen | [1] |
| **8)** If you select a card at random from a standard pack of cards (ace is counted as 1), find the probability of choosing        a) a three of Diamonds    b) a Club or Heart    c) a number smaller than 5 | [1] |
| **9)** A number is chosen at random from the set of numbers given below.  5,6,7,8,9,10,11,12,13,14,15,16  Find the probability that the number is  a)  an even number         b)  an odd number | [1] |
| **10)** A bead is drawn randomly from a jar that contains 4 purple beads, 5 red beads, and 3 pink beads. Find the probability of selecting        a)  a purple bead         b)  a red bead         c)  a pink bead | [1] |
| **11)** Eli chooses a letter at random from the word TALLER. Find the probability that he chooses        a)  an A         b)  an L | [1] |
| **12)** A group of people were asked if they owned a rabbit. 119 responded "yes", and 133 responded "no".  Find the probability that if a person is chosen at random, they own a rabbit. | [1] |
| **13)** A roulette wheel has slots numbered from 0 to 37.  Find the probability that the ball lands on an odd number. | [1] |
| **14)** Robert bought a bag of sweets, 8 of them are red, 7 are orange and 6 are white. Find the probability that a randomly selected sweet is        a)  not orange        b)  red or white | [1] |
| **15)** The English Alphabet contains 26 letters. Find the probability of        a) choosing a vowel             b) not choosing a consonant | [1] |

**Solutions for the assessment Simple Probability**

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| **1)** A = impossible, B = unlikely, C = evens, D = likely, E = certain | **2)** P(tail) = |
| **3)** P(three) = | **4)** P(an even number) = |
| **5)** | **6)** |
| **7)** a) P(a Queen of Diamonds) =   b) P(a Spade) =   c) P(a Queen) = | **8)** a) P(a three of Diamonds) =   b) P(a Club or Heart) =   c) P(a number smaller than 5) = |
| **9)** a) P(even number) =   b) P(odd number) = | **10)** a) P(purple bead) =   b) P(red bead) =   c) P(pink bead) = |
| **11)** a) P(an A) =  , b) P(an L) = | **12)** |
| **13)** P(odd number) = | **14)** a) P(not orange) =   b) P(red or white) = |
| **15)** a) P(choosing a vowel) =   b) P(not choosing a consonant) = |  |