**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/129220241656_1.png | [1] |
| **2)** Noah tosses a coin. Find the probability he gets a head. | [1] |
| **3)** Lottie rolls a dice. Find the probability she gets a four. | [1] |
| **4)** Isabella rolls a dice. Find the probability she gets a number greater than 3. | [1] |
| **5)** Find the probability that for a random spin of the spinner, the arrow points to 8.  http://www.mathster.com/course/simgs/129220241656_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/129220241656_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 nine of Diamonds       b) a Heart      c) a nine | [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) an Ace of Hearts    b) a Heart or Club    c) a number smaller than 9 | [1] |
| **9)** A number is chosen at random from the set of numbers given below.  1,2,3,4,5,6,7,8,9,10,11  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 2 red beads, 4 blue beads, and 5 green beads. Find the probability of selecting        a)  a red bead         b)  a blue bead         c)  a green bead | [1] |
| **11)** Sam chooses a letter at random from the word SEVEN. Find the probability that he chooses        a)  an N         b)  an E | [1] |
| **12)** A group of people were asked if they owned a rabbit. 87 responded "yes", and 164 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 1 to 38.  Find the probability that the ball lands on an even number. | [1] |
| **14)** Elsie bought a bag of sweets, 5 of them are green, 4 are blue and 4 are white. Find the probability that a randomly selected sweet is        a)  not green        b)  green or blue | [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(head) = |
| **3)** P(four) = | **4)** P(a number greater than 3) = |
| **5)** | **6)** |
| **7)** a) P(a nine of Diamonds) =   b) P(a Heart) =   c) P(a nine) = | **8)** a) P(an Ace of Hearts) =   b) P(a Heart or Club) =   c) P(a number smaller than 9) = |
| **9)** a) P(even number) =   b) P(odd number) = | **10)** a) P(red bead) =   b) P(blue bead) =   c) P(green bead) = |
| **11)** a) P(an N) =  , b) P(an E) = | **12)** |
| **13)** P(even number) = | **14)** a) P(not green) =   b) P(green or blue) = |
| **15)** a) P(choosing a vowel) =   b) P(not choosing a consonant) = |  |