**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/96915181374_1.png | [1] |
| **2)** Elliot tosses a coin. Find the probability he gets a tail. | [1] |
| **3)** Hannah rolls a dice. Find the probability she gets a five. | [1] |
| **4)** Joel rolls a dice. Find the probability he gets a number less than or equal to five. | [1] |
| **5)** Find the probability that for a random spin of the spinner, the arrow points to 7.  http://www.mathster.com/course/simgs/96915181374_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/96915181374_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 five of Spades       b) a Club      c) a five | [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 five of Diamonds    b) a Club or Diamond    c) a number smaller than 7 | [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 ball is drawn randomly from a jar that contains 2 black balls, 3 brown balls, and 5 purple balls. Find the probability of selecting        a)  a black ball         b)  a brown ball         c)  a purple ball | [1] |
| **11)** Harley 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 hamster. 198 responded "yes", and 147 responded "no".  Find the probability that if a person is chosen at random, they own a hamster. | [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)** Josh bought a bag of sweets, 5 of them are orange, 5 are white and 5 are green. Find the probability that a randomly selected sweet is        a)  not green        b)  white or green | [1] |
| **15)** The English Alphabet contains 26 letters. Find the probability of        a) choosing a vowel             b) not choosing a vowel | [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(five) = | **4)** P(a number less than or equal to five) = |
| **5)** | **6)** |
| **7)** a) P(a five of Spades) =   b) P(a Club) =   c) P(a five) = | **8)** a) P(a five of Diamonds) =   b) P(a Club or Diamond) =   c) P(a number smaller than 7) = |
| **9)** a) P(even number) =   b) P(odd number) = | **10)** a) P(black ball) =   b) P(brown ball) =   c) P(purple ball) = |
| **11)** a) P(an N) =  , b) P(an E) = | **12)** |
| **13)** P(odd number) = | **14)** a) P(not green) =   b) P(white or green) = |
| **15)** a) P(choosing a vowel) =   b) P(not choosing a vowel) = |  |