**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.5,6,7,8,9,10,11,12,13,14,15,16Find the probability that the number isa)  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) =  $\frac{1}{2}$ |
| **3)** P(three) =  $\frac{1}{6}$ | **4)** P(an even number) =  $\frac{1}{2}$ |
| **5)**  $\frac{1}{12}$ | **6)**  $\frac{1}{4}$ |
| **7)** a) P(a Queen of Diamonds) =  $\frac{1}{52}$b) P(a Spade) =  $\frac{1}{4}$c) P(a Queen) =  $\frac{1}{13}$ | **8)** a) P(a three of Diamonds) =  $\frac{1}{52}$b) P(a Club or Heart) =  $\frac{1}{2}$c) P(a number smaller than 5) =  $\frac{4}{13}$ |
| **9)** a) P(even number) =  $\frac{1}{2}$b) P(odd number) =  $\frac{1}{2}$ | **10)** a) P(purple bead) =  $\frac{1}{3}$b) P(red bead) =  $\frac{5}{12}$c) P(pink bead) =  $\frac{1}{4}$ |
| **11)** a) P(an A) =  $\frac{1}{6}$, b) P(an L) =  $\frac{1}{3}$ | **12)**  $\frac{17}{36}$ |
| **13)** P(odd number) =  $\frac{1}{2}$ | **14)** a) P(not orange) =  $\frac{2}{3}$b) P(red or white) =  $\frac{2}{3}$ |
| **15)** a) P(choosing a vowel) =  $\frac{5}{26}$b) P(not choosing a consonant) =  $\frac{5}{26}$ |  |