**Probability - Word Questions (2 or 3 events)**

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| Name : | Class : | Date : |

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| **1)** Two dice are rolled. What is the probability that the sum of the two dice is 6?      | [1]   |
| **2)** Two dice are rolled. What is the probability that the product of the two dice is 12?      | [1]   |
| **3)** Two dice are rolled. What is the probability that the sum of the two dice is less than or equal to 6?      | [1]   |
| **4)** Suppose you roll a special 19-sided die twice.What is the probability that the numbers rolled are a 17 **and** a 18?        | [1]   |
| **5)** Zachary picks two counters out of a box that contains 6 yellow counters and 4 green counters.Note that he returns the first counter to the jar before he picks the second.Find the probability that Zachary picks a yellow and a green counter.        | [1]   |
| **6)** Three beads are picked from a bag containing 5 white beads and 4 yellow beads.Note that each bead is put back before the next is selected.Find the probability of picking one yellow and two white beads.        | [1]   |

**Solutions for the assessment Probability - Word Questions (2 or 3 events)**

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| **1)** P(sum is 6) =  $\frac{5}{36}$ | **2)** P(product is 12) =  $\frac{1}{9}$ |
| **3)** P(sum  $\leq 6$) =  $\frac{5}{12}$ | **4)** P(17 **and** a 18) =  $\frac{1}{361}$ |
| **5)** P(Y and G) = 12/25 | **6)** P(one Y and two W) = 100/243 |