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

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| Name : | Class : | Date : |

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| Mark : | /6 | % |

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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) = | **2)** P(product is 12) = |
| **3)** P(sum  ) = | **4)** P(17 **and** a 18) = |
| **5)** P(Y and G) = 12/25 | **6)** P(one Y and two W) = 100/243 |