**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 7?      | [1]   |
| **2)** Two dice are rolled. What is the probability that the product of the two dice is 3?      | [1]   |
| **3)** Two dice are rolled. What is the probability that the sum of the two dice is less than or equal to 10?      | [1]   |
| **4)** Suppose you roll a special 15-sided die twice.What is the probability that the numbers rolled are a 8 **and** a 9?        | [1]   |
| **5)** Nina picks two beads out of a box that contains 3 red beads and 7 white beads.Note that she returns the first bead to the jar before she picks the second.Find the probability that Nina picks one white and one red bead.        | [1]   |
| **6)** Three beads are picked from a bag containing 3 blue beads and 6 pink beads.Note that each bead is put back before the next is selected.Find the probability of picking three blue beads.        | [1]   |

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

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| **1)** P(sum is 7) =  $\frac{1}{6}$ | **2)** P(product is 3) =  $\frac{1}{18}$ |
| **3)** P(sum  $\leq 10$) =  $\frac{11}{12}$ | **4)** P(8 **and** a 9) =  $\frac{1}{225}$ |
| **5)** P(R and W) = 21/50 | **6)** P(3B) = 1/27 |