**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 10? | [1] |
| **2)** Two dice are rolled. What is the probability that the product of the two dice is 6? | [1] |
| **3)** Two dice are rolled. What is the probability that the sum of the two dice is greater than 7? | [1] |
| **4)** Suppose you roll a special 13-sided die twice.  What is the probability that the numbers rolled are a 4 **and** a 7? | [1] |
| **5)** Arthur picks two beads out of a box that contains 3 yellow beads and 4 blue beads. Note that he returns the first bead to the jar before he picks the second.  Find the probability that Arthur picks two yellow beads. | [1] |
| **6)** Three beads are picked from a box containing 4 red beads and 6 green beads. Note that each bead is put back before the next is selected.  Find the probability of picking three red beads. | [1] |

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

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| **1)** P(sum is 10) = | **2)** P(product is 6) = |
| **3)** P(sum  ) = | **4)** P(4 **and** a 7) = |
| **5)** P(Y and Y) = 9/49 | **6)** P(3R) = 8/125 |