**Simple Probability - tables of data**

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| Name : | Class : | Date : |

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| Mark : | /6 | % |

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| **1)** The scores for a group of students are recorded in the table below.   |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **Score** | 10 | 11 | 12 | 13 | 14 | 15 | 16 | | **Frequency** | 3 | 2 | 5 | 15 | 9 | 2 | 2 |   Find the probability of selecting a student  a)  with a score of 14       b)  with a score of 13 | [1] |
| **2)** The scores for a group of students are recorded in the table below.   |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **Score** | 9 | 10 | 11 | 12 | 13 | 14 | 15 | | **Frequency** | 2 | 3 | 4 | 6 | 4 | 2 | 3 |   Find the probability of selecting a student  a)  with a score less than or equal to 10       b)  with a score greater than 11 | [1] |
| **3)** The scores for a group of students are recorded in the table below.   |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **Score** | 0 | 1 | 2 | 3 | 4 | 5 | 6 | | **Frequency** | 3 | 2 | 10 | 8 | 17 | 1 | 2 |   Find the probability of selecting a student  a)  with a score less than or equal to 3       b) with a score greater than 2 | [1] |
| **4)** The test results of 64 students is recorded in the two-way table below. One student is chosen at random.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | **Grade** | | | **Total** | | **A** | **B** | **C** | | **Male** | 8 | 15 | 9 | 32 | | **Female** | 2 | 13 | 17 | 32 | | **Total** | 10 | 28 | 26 | 64 |   Find the probability that the student is male and got a grade A. | [1] |
| **5)** The test results of 68 students is recorded in the two-way table below. One student is chosen at random. Find the probability that the student is female.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | **Grade** | | | **Total** | | **A** | **B** | **C** | | **Male** | 9 | 12 | 18 | 39 | | **Female** | 2 | 11 | 16 | 29 | | **Total** | 11 | 23 | 34 | 68 | | [1] |
| **6)** The test results of a group of students is recorded in the two-way table below. One student is chosen at random. Find the probability that the student got a B.   |  |  |  |  | | --- | --- | --- | --- | |  | **Grade** | | | | **A** | **B** | **C** | | **Male** | 20 | 13 | 18 | | **Female** | 9 | 17 | 8 | | [1] |

**Solutions for the assessment Simple Probability - tables of data**

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| **1)** a) P(score of 14) = 9/38, b) P(score of 13) = 15/38 | **2)** a) P(less than or equal to 10) =  , b) P(greater than 11) = |
| **3)** a) P(less than or equal to 3) =  , b) P(greater than 2) = | **4)** P(male and got a grade A) = |
| **5)** P(is female) = | **6)** P(got a B) = |