**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** | 9 | 10 | 11 | 12 | 13 | 14 | 15 | | **Frequency** | 2 | 1 | 14 | 5 | 11 | 3 | 2 |   Find the probability of selecting a student  a)  with a score of 14       b)  with a score of 11 | [1] |
| **2)** The scores for a group of students are recorded in the table below.   |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **Score** | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | **Frequency** | 2 | 1 | 7 | 4 | 5 | 1 | 2 |   Find the probability of selecting a student  a)  with a score less than or equal to 6       b)  with a score greater than 7 | [1] |
| **3)** The scores for a group of students are recorded in the table below.   |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **Score** | 5 | 6 | 7 | 8 | 9 | 10 | 11 | | **Frequency** | 1 | 2 | 20 | 16 | 10 | 2 | 1 |   Find the probability of selecting a student  a)  with a score less than or equal to 7       b) with a score greater than 6 | [1] |
| **4)** The test results of 84 students is recorded in the two-way table below. One student is chosen at random.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | **Grade** | | | **Total** | | **A** | **B** | **C** | | **Male** | 8 | 10 | 12 | 30 | | **Female** | 20 | 18 | 16 | 54 | | **Total** | 28 | 28 | 28 | 84 |   Find the probability that the student is female and got a grade B. | [1] |
| **5)** The test results of 72 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** | | | **Total** | | **A** | **B** | **C** | | **Male** | 6 | 10 | 15 | 31 | | **Female** | 20 | 3 | 18 | 41 | | **Total** | 26 | 13 | 33 | 72 | | [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** | 3 | 19 | 18 | | **Female** | 16 | 6 | 14 | | [1] |

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

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| **1)** a) P(score of 14) = 3/38, b) P(score of 11) = 7/19 | **2)** a) P(less than or equal to 6) =  , b) P(greater than 7) = |
| **3)** a) P(less than or equal to 7) =  , b) P(greater than 6) = | **4)** P(female and got a grade B) = |
| **5)** P(got a B) = | **6)** P(got a B) = |