**Frequency Polygons**

|  |  |  |
| --- | --- | --- |
| Name : | Class : | Date : |

|  |  |  |
| --- | --- | --- |
| Mark : | /4 | % |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1)** The table shows the weights in kg of fish. Draw a frequency polygon to represent this data.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | http://www.mathster.com/course/simgs/71952074565_1.png |  | |  |  | | --- | --- | | Weight (kg) | Frequency | | 0   h   4 | 3 | | 4   h   8 | 11 | | 8   h   12 | 28 | | 12   h   16 | 27 | | 16   h   20 | 16 | | 20   h   24 | 9 | | | [1] |
| **2)** The table shows the heights in metres of trees in a park. Draw a frequency polygon to represent this data.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | http://www.mathster.com/course/simgs/71952074565_2.png |  | |  |  | | --- | --- | | Height (m) | Frequency | | 5 - 15 | 7 | | 16 - 26 | 16 | | 27 - 37 | 29 | | 38 - 48 | 26 | | 49 - 59 | 17 | | 60 - 70 | 6 | | | [1] |
| **3)** The table shows the heights in metres of trees in a park. Draw a frequency polygon to represent this data and find the modal class interval.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | http://www.mathster.com/course/simgs/71952074565_3.png |  | |  |  | | --- | --- | | Height (m) | Frequency | | 10   h   20 | 7 | | 20   h   30 | 19 | | 30   h   40 | 21 | | 40   h   50 | 28 | | 50   h   60 | 16 | | 60   h   70 | 3 | | | [1] |
| **4)** The table shows the heights in metres of trees in a park. Draw a frequency polygon to represent this data.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | http://www.mathster.com/course/simgs/71952074565_4.png |  | |  |  | | --- | --- | | Height (m) | Frequency | | 5 - 15 | 5 | | 16 - 26 | 13 | | 27 - 37 | 22 | | 38 - 48 | 23 | | 49 - 59 | 12 | | 60 - 70 | 7 | | | [1] |

**Solutions for the assessment Frequency Polygons**

|  |
| --- |
| **1)** http://www.mathster.com/course/simgs/71952074565_5.png |
| **2)** http://www.mathster.com/course/simgs/71952074565_6.png |
| **3)**  http://www.mathster.com/course/simgs/71952074565_7.png The modal class interval is 40   h   50 |
| **4)**  http://www.mathster.com/course/simgs/71952074565_8.png The modal class interval is 38 - 48 |