**Frequency Polygons**

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| **1)** The table shows the weights in kg of fish. Draw a frequency polygon to represent this data.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | http://www.mathster.com/course/simgs/126283233082_1.png |  | |  |  | | --- | --- | | Weight (kg) | Frequency | | 0   h   4 | 8 | | 4   h   8 | 13 | | 8   h   12 | 28 | | 12   h   16 | 27 | | 16   h   20 | 17 | | 20   h   24 | 7 | | | [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/126283233082_2.png |  | |  |  | | --- | --- | | Height (m) | Frequency | | 5 - 15 | 3 | | 16 - 26 | 18 | | 27 - 37 | 25 | | 38 - 48 | 20 | | 49 - 59 | 15 | | 60 - 70 | 8 | | | [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/126283233082_3.png |  | |  |  | | --- | --- | | Height (m) | Frequency | | 10   h   20 | 7 | | 20   h   30 | 13 | | 30   h   40 | 26 | | 40   h   50 | 29 | | 50   h   60 | 17 | | 60   h   70 | 6 | | | [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/126283233082_4.png |  | |  |  | | --- | --- | | Height (m) | Frequency | | 5 - 15 | 9 | | 16 - 26 | 12 | | 27 - 37 | 26 | | 38 - 48 | 25 | | 49 - 59 | 17 | | 60 - 70 | 5 | | | [1] |

**Solutions for the assessment Frequency Polygons**

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| **1)** http://www.mathster.com/course/simgs/126283233082_5.png |
| **2)** http://www.mathster.com/course/simgs/126283233082_6.png |
| **3)**  http://www.mathster.com/course/simgs/126283233082_7.png The modal class interval is 40   h   50 |
| **4)**  http://www.mathster.com/course/simgs/126283233082_8.png The modal class interval is 27 - 37 |