

Name: _____

Show work needed to justify your answer.

Date: _____

HW: # 24: Math IBSL - Standard 23 - Presentation of Data

5 points

- 2** This list shows the number of hours spent studying, per student per month, for a class of IB Mathematics students.

50, 49, 15.25, 21.35, 12, 18, 34, 22.51, 45, 24, 30, 20, 52, 26, 23, 40, 15.75, 24, 28.8, 18.6, 35, 40, 38

- a** Is the data discrete or continuous?
- b** Construct a frequency table with class intervals $10 < t \leq 20$, $20 < t \leq 30$, etc.
- c** Draw a histogram for this data.
- d** Describe the skew.

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- 3** The masses of a group of children are recorded in the grouped frequency table below.

Mass (m , kg)	f
$30 < m \leq 40$	6
$40 < m \leq 50$	10
$50 < m \leq 60$	12
$60 < m \leq 70$	18
$70 < m \leq 80$	13
$80 < m \leq 90$	9
$90 < m \leq 100$	5

- a** Is the data discrete or continuous?
- b** Draw a histogram for this data.
- c** Describe the skew.

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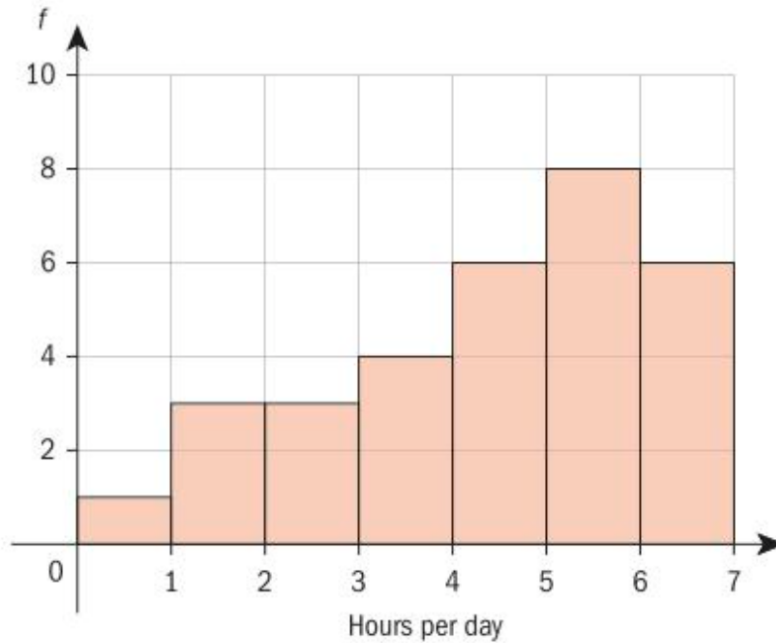
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- 5 The number of hours that a professional tennis player trains each day in the month of May is represented in this histogram.



- Construct a frequency table with classes of $0 < h \leq 1$, $1 < h \leq 2$, etc. for this data.
- Describe the skew.