Learning objective – To Describe a data distribution in terms of its shape
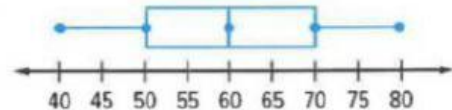
7. **MP** **Persevere with Problems** Explain why you cannot describe the specific location of the center and spread of the box plot shown using the most appropriate measures.

Calories in Servings of Fruits

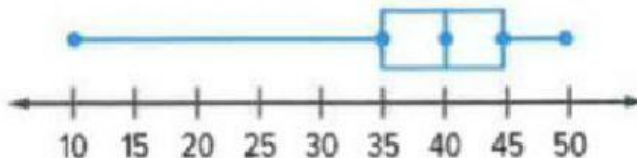

```
40  45  50  55  60  65  70  75  80
```

Distribution type _____

Q1 = _____

Q3 = _____

IQR = _____

Why can't we describe the specific location of the centre?

Reason = _____

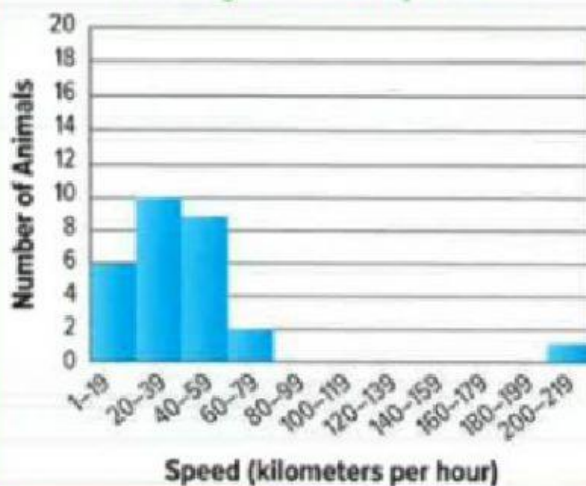**Height of Trees (m)**


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10  15  20  25  30  35  40  45  50
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Distribution Type = _____

Average Animal Speeds

Number of Animals
Speed (kilometers per hour)

Distribution Type = _____

Gap range = _____

Outlier range = _____

Peak = _____

Cluster range = _____