

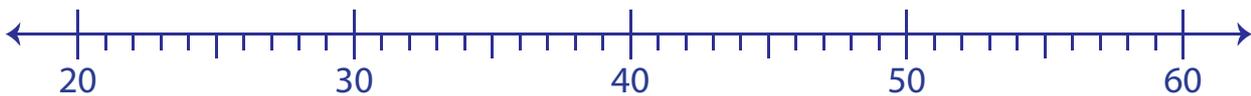
Make and Interpret the Plot

Sheet 1

1) The below tabulation shows the length of eight bones (in inches) in human beings.

Bone	Femur	Ulna	Humerus	8th rib	Radius	Tibia	7th rib	Fibula
Length (in inches)	50.5	27.5	36.5	23	26	49	24	40

Make a box-and-whisker plot.



Answer the following questions.

- 1) Which is the longest bone? _____

- 2) What is the first quartile of the given data? _____

- 3) What is the median of the given data? _____

- 4) What is the length of the shortest bone? _____

- 5) What is the third quartile? _____

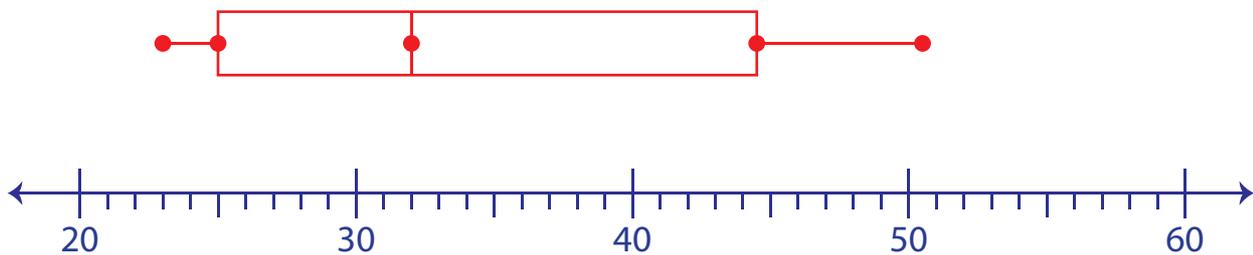
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Length (in inches)	50.5	27.5	36.5	23	26	49	24	40

Make a box-and-whisker plot.



Answer the following questions.

1) Which is the longest bone?

femur

2) What is the first quartile of the given data?

25

3) What is the median of the given data?

32

4) What is the length of the shortest bone?

23 inches

5) What is the third quartile?

44.5

Make and Interpret the Plot

Sheet 2

1) The average weights (in kilogram) of ten wild animals are tabulated below.

Animal	Lion	Jaguar	Hyena	Tiger	Wolf	Mule deer	White Tiger	Chimpanzee	Cheetah	White-tailed deer
Average Weight (in kilogram)	170	85	60	230	80	50	215	60	70	65

Make a box-and-whisker plot.



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Answer the following

1) What is the median weight of the animals?

2) Which animal has the heaviest weight?

3) What is the first quartile weight?

4) What is the weight of the animal which is the heaviest of all?

5) Write the third quartile?

Make and Interpret the Plot

Sheet 2

1) The average weights (in kilogram) of ten wild animals are tabulated below.

Animal	Lion	Jaguar	Hyena	Tiger	Wolf	Mule deer	White Tiger	Chimpanzee	Cheetah	White-tailed deer
Average Weight (in kilogram)	170	85	60	230	80	50	215	60	70	65

Make a box-and-whisker plot.



Answer the following

1) What is the median weight?

75

2) Which animal has the heaviest weight?

Mule deer

3) What is the first quartile?

60

4) What is the weight of the animal which is the heaviest of all?

230 kg

5) Write the third quartile?

170

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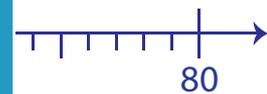
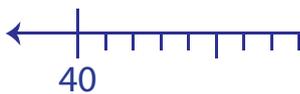
Make and Interpret the Plot

Sheet 3

- 1) A chemist uses various acids in the laboratory for his experiments. The quantity of each acid used is tabulated below.

Acid	Hydrochloric	Nitric	Sulphuric	Phosphoric	Malic	Citric	Tartaric	Acetic	Oxalic
Quantity (in ml)	79	64	48	51	75	41	50	67	56

Make a box-and-whisker plot.



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Answer the following

- 1) What is the first quantity used? _____
- 2) How many acids are used in the experiments? _____
- 3) Which acid is used the most? _____
- 4) What is the median of the given data? _____
- 5) What is the least quantity of acid used? _____

Make and Interpret the Plot

Sheet 3

- 1) A chemist uses various acids in the laboratory for his experiments. The quantity of each acid used is tabulated below.

Acid	Hydrochloric	Nitric	Sulphuric	Phosphoric	Malic	Citric	Tartaric	Acetic	Oxalic
Quantity (in ml)	79	64	48	51	75	41	50	67	56

Make a box-and-whisker plot.



Answer the following

- 1) What is the first quantity used?

49

- 2) How many acids are used in the experiments?

9

- 3) Which acid is used the least quantity?

hydrochloric acid

- 4) What is the median of the given data?

56

- 5) What is the least quantity of acid used?

41 ml

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