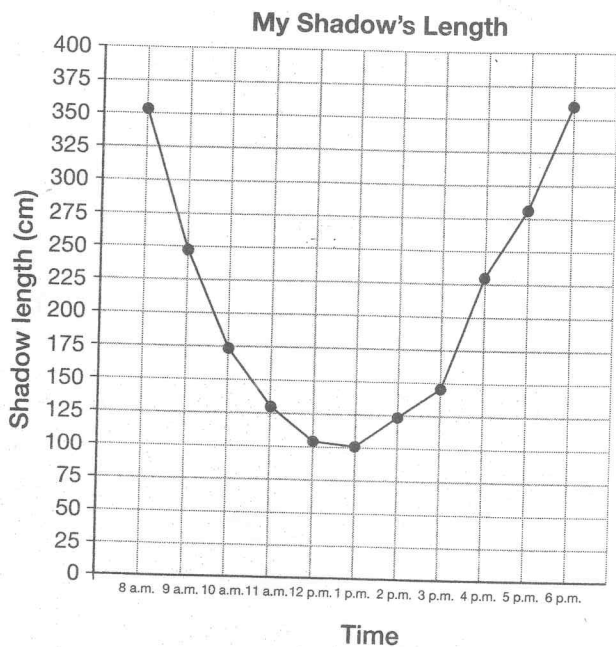


Grade 5 Chapter 3 Chapter Review

Answers

→ 1. a) For example,

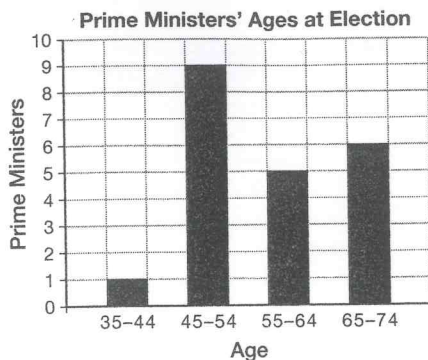


- b) For example, the range is 255 cm. I chose 1 unit = 25 cm because the points would be from 4 units to about 14 units. This would make my graph easy to look at and trends would be easy to see.
- c) For example, Monika's shadow is longest in the early morning and late afternoon when the sun is low in the sky; her shadow gets shorter from the morning until 1:00 p.m. when it starts getting longer again.

→ 2. a) 35 years

- b) For example, if I want 4 bars, my interval size should be about 9. I think I will choose 10.
- c) 4 bars
- d) For example,

35-44	
45-54	
55-64	
65-74	



→ 3. a) For example,

Lifespan in Years

alligator	○○○
box turtle	○○○○○○○
crocodile	○○
Galapagos land turtle	○○○○○○○○○○○○○○

Each ○ means 20 years.

- b) For example, I used an egg because all these animals lay eggs and it is an easy symbol to divide into fraction. I used a scale of 1 egg=20 years because then I won't have more than 10 eggs for any animal and 20 can easily be divided into $\frac{1}{4}$, $\frac{1}{2}$, and $\frac{3}{4}$.
- c) For example,
- alligator—I rounded 56 to 55. 2 eggs would show $2 \times 20 = 40$ years and 15 years is left over. 15 is $\frac{3}{4}$ of 20, so I used 2 whole eggs and a $\frac{3}{4}$ egg.
 - box turtle—I rounded 123 to 125. 6 eggs would show $6 \times 20 = 120$ years and 5 years is left over. 5 is $\frac{1}{4}$ of 20, so I used 6 whole eggs and a $\frac{1}{4}$ egg.
 - crocodile—2 eggs would show $2 \times 20 = 40$ years and 5 years is left over. 5 is $\frac{1}{4}$ of 20, so I used 2 whole eggs and a $\frac{1}{4}$ egg.
 - Galapagos land turtle—I rounded 193 to 195. 9 eggs would show $9 \times 20 = 180$ years and 15 years is left over. 15 is $\frac{3}{4}$ of 20. So I used 9 whole eggs and a $\frac{3}{4}$ egg.

→ 4. a) For example, Graph 1 appears to show that all 4 months have almost the same number of passengers with the numbers increasing a little from December to March. Graph 2 appears to show that the greatest increase in passengers is from February to March.

- b) Yes. For example, the values on the horizontal axes of both graphs are the same as the data in the table.
- c) For example, Graph 1 because it shows the number of passengers is about the same every month.

- 5. a) Problem B; for example, because the mean is a way of rearranging the numbers so that all the numbers are equal to each other.
- b) Problem A; for example, most of the tables have 3 students sitting at them.
- c) Mode = 3; mean = 4