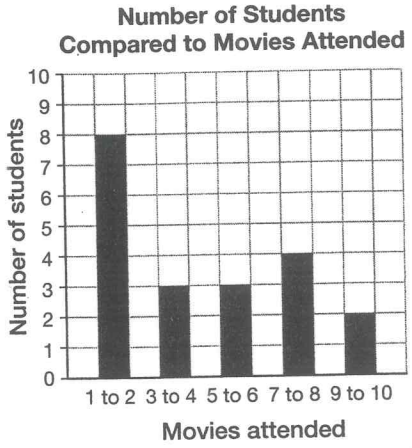
Grade 6 Chapter 3 Chapter Review

Answers

1. a)

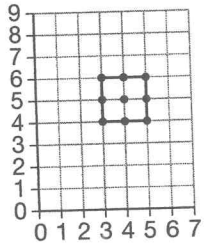
Range	Tally
1–2	𝍸 |||
3–4	|||
5–6	|||
7–8	||||
9–10	||

b) For example, I made a bar graph to compare the number of students in each interval.



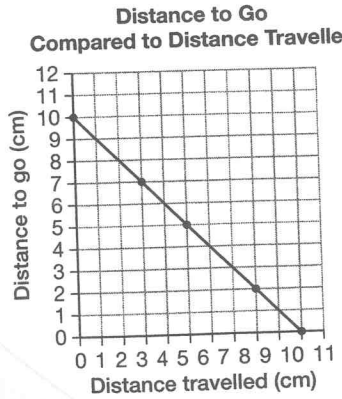
c) No. For example, people who don't go to any movies aren't being asked, so the survey won't include them, and adults might not go to as many (or may go to more) movies as Grade 6 students.

2. a) & b)



(3, 6), (3, 5), (3, 4), (4, 4), (5, 4), (5, 5), (5, 6), and (4, 6)

3. a)

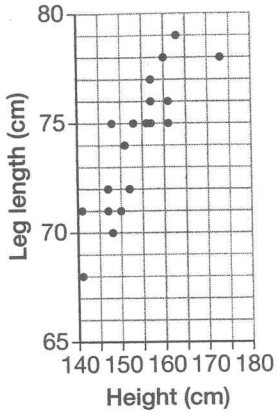


b) For example, the graph is a straight line moving diagonally downwards to the right.

c) 6.5 cm

4. a) (158, 77), (163, 79), (160, 78), (173, 78), (161, 76), (157, 76), (153, 75), (156, 75), (148, 75), (151, 74), (161, 75), (152, 72), (147, 72), (141, 71), (141, 71), (150, 71), (147, 71), (157, 75), (141, 68), (148, 70)

Leg Length Compared to Height



b) Yes. For example, the scatter plot shows that taller students have a longer leg length and shorter students have a short leg length. So, there is a relationship between leg length and height.

5. a) Kid's Cereal: mean – 13 g, median – 12.5 g
Family Cereal: mean – 7 g, median – 6 g

b) The Kid's cereal typically has more sugar.

6. a) mean – 27, median – 22

b) mean – 8, median – 8

c) mean – 120, median – 97

d) mean – 51, median – 49.5

7. a) For example, because there are no data values less than 80, we have more room to compare the data if that blank space is left out.

b) For example, there would be a lot of blank space below the line and the differences among points would appear smaller.

c) For example, the differences among points would double.

d) For example, the differences among points would be halved.

e) For example, continue the line to the point (12, 152). The median height at age 12 is about 152 cm.

f) For example, examine the point on the line midway between the points for 8 years and 9 years. It is about (8.5, 132). So the mean height at age 8.5 is about 132 cm.