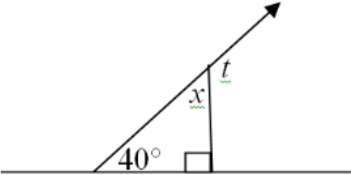
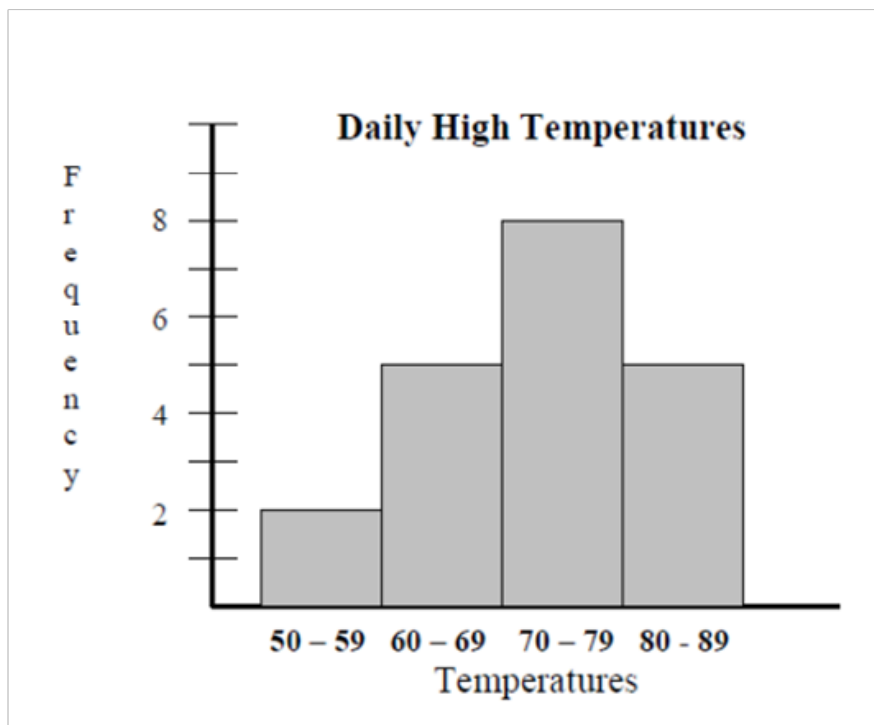


CCM6+ - Quarter 4 - Week 4

	Problem 1	Problem 2	Gridded Response																																																																		
Monday	<p>To get to work, it takes Mr. McAllister 45 minutes to drive 35 miles. Mrs. McAllister drives 28 miles in 40 minutes. If average speed is calculated using the formula $Speed = \frac{distance}{time}$, who has the higher average speed?</p> <p>$\frac{28}{40} = .7$ $\frac{35}{45} = .777$ $\therefore P$</p>	<p>Raphael and his friends made brownies for the bake sale. Raphael made 60 cookies and his friends made 350 cookies. What percent of the total cookies did Raphael make? Round your answer to the nearest whole percent.</p> <p>$\frac{60}{350} = .1714$</p>	<p>Problem 2</p> <table border="1"> <tr><td>1</td><td>7</td><td></td><td></td><td></td><td></td></tr> <tr><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td></tr> <tr><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td></tr> <tr><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td></tr> <tr><td>4</td><td>4</td><td>4</td><td>4</td><td>4</td><td>4</td></tr> <tr><td>5</td><td>5</td><td>5</td><td>5</td><td>5</td><td>5</td></tr> <tr><td>6</td><td>6</td><td>6</td><td>6</td><td>6</td><td>6</td></tr> <tr><td>7</td><td>7</td><td>7</td><td>7</td><td>7</td><td>7</td></tr> <tr><td>8</td><td>8</td><td>8</td><td>8</td><td>8</td><td>8</td></tr> <tr><td>9</td><td>9</td><td>9</td><td>9</td><td>9</td><td>9</td></tr> </table>	1	7					0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	6	6	6	6	6	6	7	7	7	7	7	7	8	8	8	8	8	8	9	9	9	9	9	9
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<p>$6000 \div 350 = 17.14 \approx 17\%$</p>																																																																					
Wednesday	<p>What is the measure of angle t?</p> 	<p>Max is building a tree house. He has a piece of wood that is 6 feet long. How many $\frac{1}{5}$ ft pieces of wood can he cut from this piece of wood?</p>	<p>Problem 1</p> <table border="1"> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td></tr> <tr><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td></tr> <tr><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td></tr> <tr><td>4</td><td>4</td><td>4</td><td>4</td><td>4</td><td>4</td></tr> <tr><td>5</td><td>5</td><td>5</td><td>5</td><td>5</td><td>5</td></tr> <tr><td>6</td><td>6</td><td>6</td><td>6</td><td>6</td><td>6</td></tr> <tr><td>7</td><td>7</td><td>7</td><td>7</td><td>7</td><td>7</td></tr> <tr><td>8</td><td>8</td><td>8</td><td>8</td><td>8</td><td>8</td></tr> <tr><td>9</td><td>9</td><td>9</td><td>9</td><td>9</td><td>9</td></tr> </table>							0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	6	6	6	6	6	6	7	7	7	7	7	7	8	8	8	8	8	8	9	9	9	9	9	9
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Name: _____ Date: _____ Period: _____

Analyzing Histograms Classwork

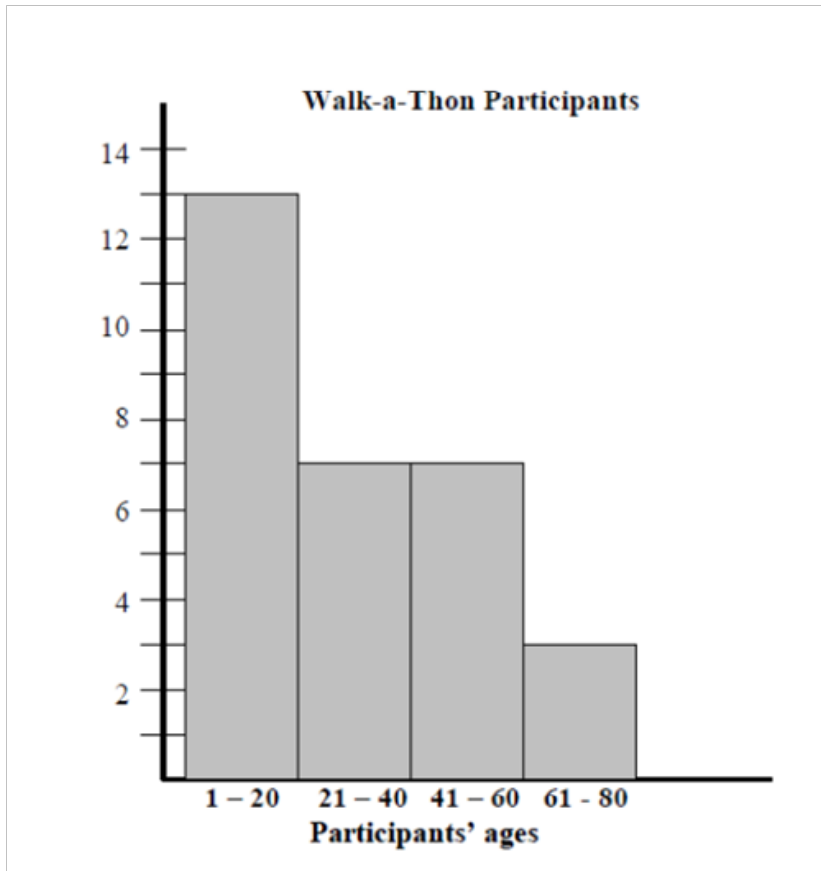


- How many days was the temperature in April between 60-69 °F?

- How many days did the temperature reach between 50 and 79 °F?

- How many days did the temperature in April reach 70° or higher?

- In what interval would the median salary fall? _____
- Approximately what percentage of days in April reached 70° or higher?



1. How many participants are between the ages of 21 and 60? _____
2. How many participants are 41 or older? _____
3. How many participants are between the ages of 1 and 40? _____
4. In what interval would the median age fall? _____
5. What percent of all participants are 41 or older? _____
6. What percent of all participants are 61 or older? _____

Using the data below, complete the frequency table.

DATA: 30, 32, 11, 14, 40, 37, 16, 26, 12, 33, 13, 19, 38, 12, 28, 15, 39, 11, 37, 17, 27, 14, 36

Number	Tally	Frequency
11-15		
16-20		
21-25		
26-30		
31-35		
36-40		

The test scores for 10 students in Ms. Sampson's homeroom were 61, 67, 81, 83, 87, 88, 89, 90, 98, and 100. Which frequency table is accurate for this set of data?

A)

Interval	Frequency
61-70	2
71-80	2
81-90	8
91-100	10

B)

Interval	Frequency
61-70	2
71-80	0
81-90	6
91-100	2

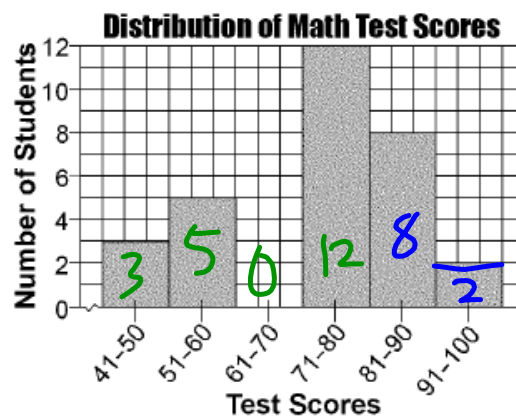
C)

Interval	Frequency
61-70	2
71-80	2
81-90	7
91-100	10

D)

Interval	Frequency
61-70	2
71-80	0
81-90	8
91-100	10

The graph below shows the distribution of scores of 30 students on a mathematics test.



How many got ABOVE AN 80?
10 PEOPLE

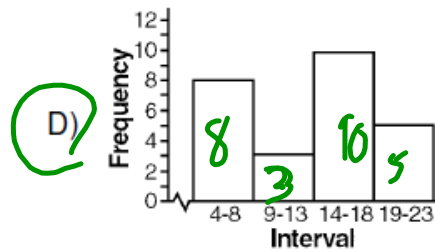
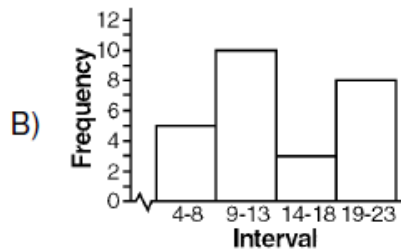
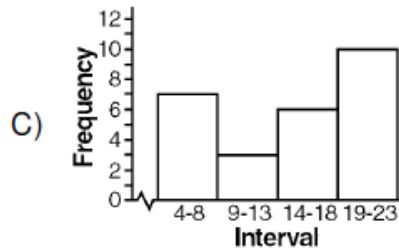
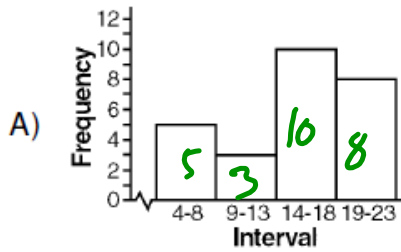
Complete the frequency table below using the data in the frequency histogram shown.

Test Scores	Frequency
91-100	2
81-90	8
71-80	12
61-70	0
51-60	5
41-50	3

3052 - 1 - 1

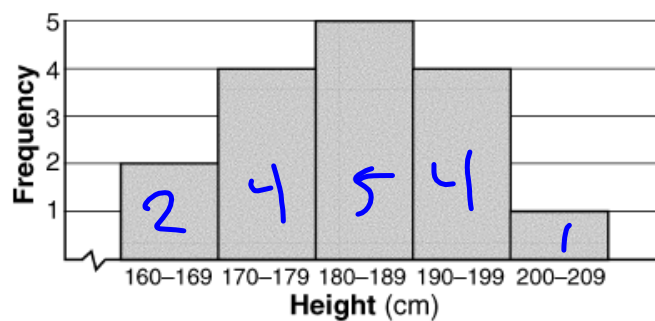
Which one of the following histograms represents the data in the table below?

Interval	Frequency
4-8	8
9-13	3
14-18	10
19-23	5



9852

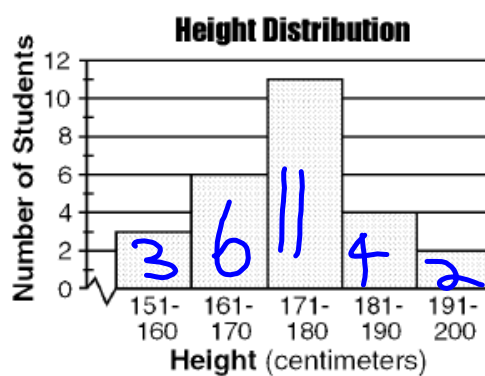
-) The accompanying histogram shows the heights of the students in Kyra's health class.



What is the total number of students in the class?

16

- 7) The accompanying histogram shows the height distribution for students in a high school mathematics class.



What is the total number of students in the class?

The test scores for 20 students in a Spanish class are shown in the frequency table below.

Interval	Frequency
90-99	4
80-89	3
70-79	8
60-69	4
50-59	1

20 10-11

19) According to the information shown, how many students received a score greater than a 69?

15

20) The median lies in which interval of the frequency table shown?

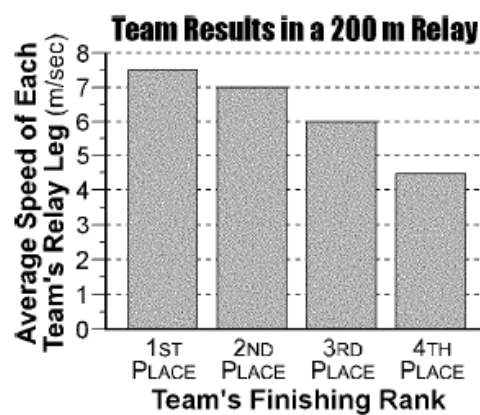
△ 0000 A A A A A A A A T T T T V x x x

70-79

1, (2, 3), 4

Page 6

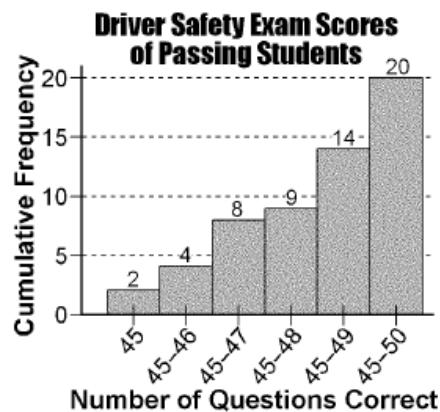
The USA Track and Field Committee published the following report illustrating the comparison of lap speed and finishing placement of several top relay teams.



Based on the bar graph above, which of the following conclusions is *most* accurate?

- A) The first-place team was twice as fast as the fourth-place team.
- B) The fastest time for the 200-meter relay is 7 meters per second.
- C) The first-place and second-place teams were closest in time to one another.
- D) Every runner on the first-place team ran faster than the runners on the second-place team.

In order to pass a driver's safety course, a person must answer at least 45 out of 50 questions correctly. The cumulative histogram below gives the scores of a group of people who passed the exam.



- 35) According to the table shown, how many total people passed the driver's safety exam?
A) 25 B) 57 C) 50 D) 20
- 36) According to the table shown, how many people answered 49 questions correctly?
A) 5 B) 9 C) 14 D) 41
- 37) According to the table shown, how many people received a score of 48 or less?
A) 23 B) 9 C) 11 D) 25



9. Which interval indicates the answers most students gave?
10. How many students answered the question?



11. How many students take less than 40 minutes to get ready?
12. Why might no students have given an answer of 50-59 minutes?