1.   The principal asked each classroom to report the number of bags of newspapers collected for the recycling project.

**Bags of
Newspapers Collected**

1	3 7 7 9
2	3 3 7 8 8
3	3 6 7
4	2 4 9
5	1 2
6	1 3

How many classrooms collected 40 or more bags of newspapers?

A   7

B   6

C   5

D   3

2.   Professor Smith is doing a study on the number of geese that come to Green Lake each day. Her data show that during the first week there were 27, 34, 22, 49, 38, 30, and 40 geese. Which stem-and-leaf plot shows her data?

A   **Number of Geese**

1	0
2	2 7
3	0 4 8
4	9
5	0

B   **Number of Geese**

1	
2	2 7
3	4 8
4	9
5	

C   **Number of Geese**

1	0
2	2 7
3	4 8
4	9
5	0

D   **Number of Geese**

1	
2	2 7
3	0 4 8
4	0 9
5	

3.   This circle graph shows the results from the election for class president.
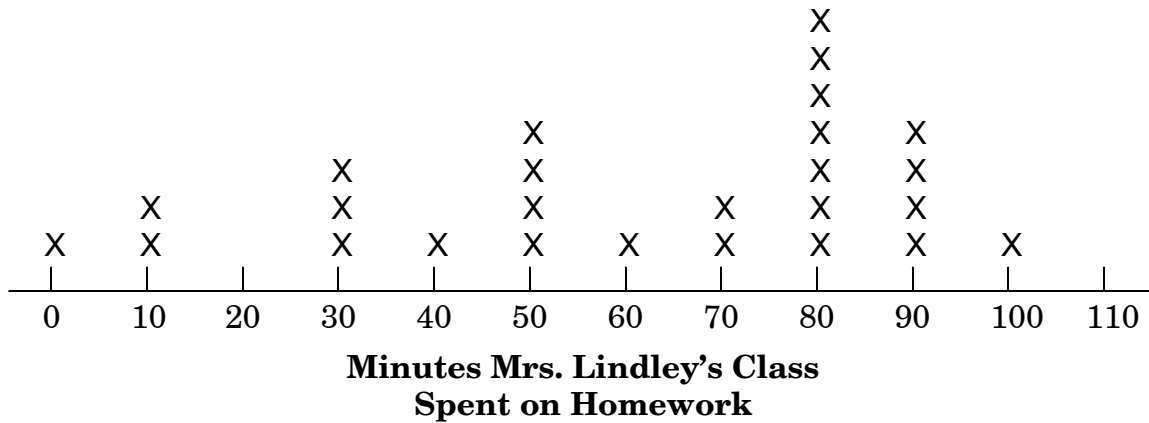
Class President Results
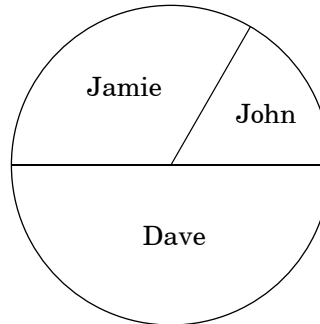
If 150 students voted, ***about*** how many votes did Jamie receive?

A   25

B   38

C   50

D   75

4.   The fifth-grade students in Mrs. Lindley's class made a line plot that showed the total amount of time they spent on homework for one night.

```
                                                        X
                                                        X
                                                        X
                                    X                   X        X
                          X         X                   X        X
                 X        X         X              X    X        X
        X   X    X   X    X    X    X    X    X    X    X    X
        |---|----|---|----|----|----|----|----|----|----|----|
        0   10   20  30   40   50   60   70   80   90   100  110
```

**Minutes Mrs. Lindley's Class
Spent on Homework**

Based on the line plot, which statement is true?

A   The mode of the data is one hour and twenty minutes.

B   The range of the data is one hour and twenty minutes.

C   The sum of the data is one hour and twenty minutes.

D   The median of the data is one hour.

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5.   According to this graph, which of the following is true about the early pioneers' food resources?

**Food Resources
for the Early Pioneers**
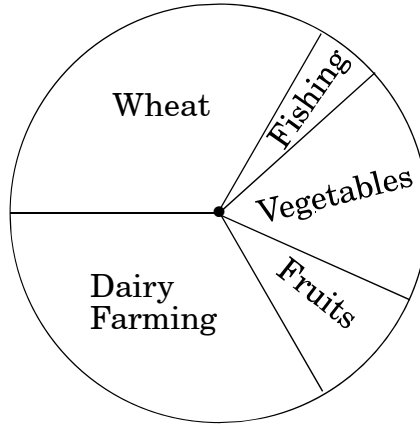
A   Fishing and fruits combined would be the largest food resources.

B   Wheat and dairy farming make up about the same amount of the food resources.

C   Fruits provide the least amount of food resources.

D   Vegetables and dairy farming make up the same amount of the food resources.

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6.   The science class did an experiment. A jar containing water and a thermometer was placed outside for twelve hours. Every hour the temperature was recorded.

Temperature Readings
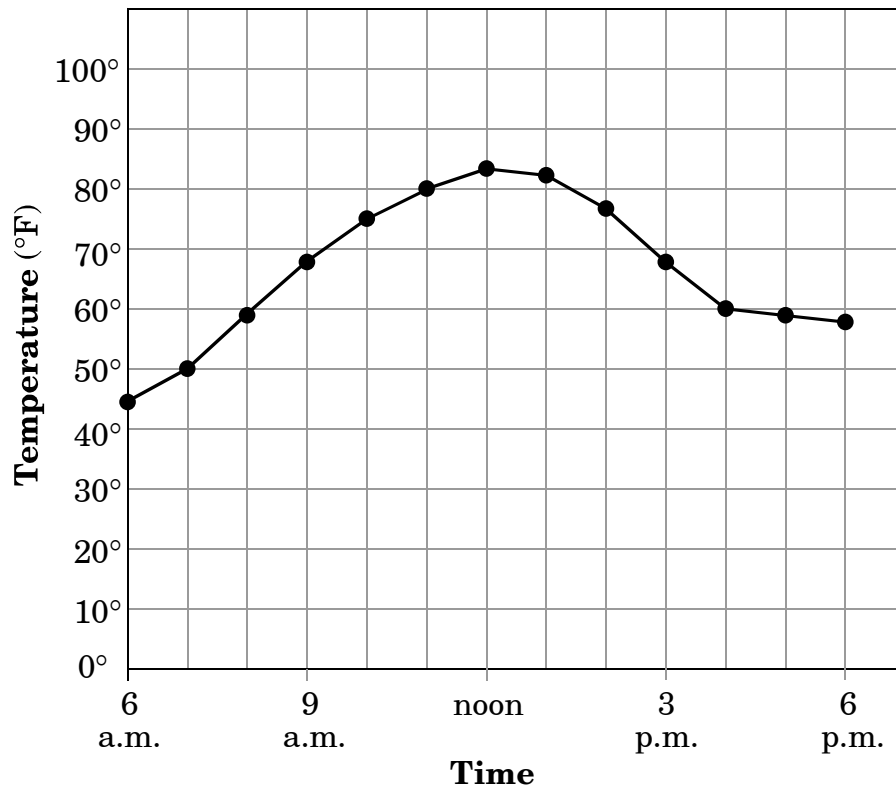
About how many degrees did the temperature increase from 7 a.m. to noon?

A   83°

B   45°

C   38°

D   33°

7. Two teachers put the test scores for their math classes in order from lowest to highest.

Mrs. Smith's Class Test Scores   **Mr. Jones's Class Test Scores**

75	76	76	78	79
80	81	85	87	89
89	89	90	91	92
92	93	95	95	96
97	98	98	99	100

72	75	76	77	78
79	79	80	83	85
87	89	90	90	91
91	91	91	93	94
94	95	96	97	98

Which statement is true about the comparison of the two sets of test scores?

A   Mrs. Smith's class had a higher mode than Mr. Jones's class.

B   Mrs. Smith's class had the same median as Mr. Jones's class.

C   Mrs. Smith's class had the same range as Mr. Jones's class.

D   Mrs. Smith's class had a higher median than Mr. Jones's class.

End of Goal 4 Sample Items

Answers to EOG Grade 5 Math Sample Items

Goal 4

1. **Objective 4.01**
   Collect, organize, analyze, and display data (including stem-and-leaf plots) to solve problems.
   Thinking Skill: Analyzing   **Correct Answer:** A

2. **Objective 4.01**
   Collect, organize, analyze, and display data (including stem-and-leaf plots) to solve problems.
   Thinking Skill: Applying   **Correct Answer:** D

3. **Objective 4.01**
   Collect, organize, analyze, and display data (including stem-and-leaf plots) to solve problems.
   Thinking Skill: Analyzing   **Correct Answer:** C

4. **Objective 4.01**
   Collect, organize, analyze, and display data (including stem-and-leaf plots) to solve problems.
   Thinking Skill: Applying   **Correct Answer:** A

5. **Objective 4.01**
   Collect, organize, analyze, and display data (including stem-and-leaf plots) to solve problems.
   Thinking Skill: Analyzing   **Correct Answer:** B

6. **Objective 4.01**
   Collect, organize, analyze, and display data (including stem-and-leaf plots) to solve problems.
   Thinking Skill: Analyzing   **Correct Answer:** D

7. **Objective 4.03**
   Solve problems with data from a single set or multiple sets of data using median, range, and mode.
   Thinking Skill: Evaluating   **Correct Answer:** B