

#1 Jayden kept track of the number of characters in each book he read. How many books had greater than 23 characters but fewer than 43 characters?

Characters In Book

| Stem | Leaf |
|------|-------|
| 2 | 2 3 4 |
| 3 | 8 |
| 4 | 1 7 |

books

Show your work

#2 A volunteer for the local running club counted the number of participants at each race. How many races had exactly 30 participants?

Participants per race

| Stem | Leaf |
|------|---------|
| 2 | 7 |
| 3 | 0 0 4 4 |
| 4 | 1 1 5 9 |

races

Show your work

#3 A teacher gave kids the following chart to show the distribution of marks on a final. What was the top score on the final?

Final Marks

| Stem | Leaf |
|------|-------|
| 1 | 3 6 6 |
| 2 | 3 |
| 3 | 2 9 |
| 4 | 3 4 5 |

points

Show your work



#4

While travelling Joseph made the chart below on the length of their various flights. What was the length of his longest flight?

Flight Length (hours)

| Stem | Leaf |
|------|-----------|
| 1 | 6 7 |
| 2 | 2 6 6 7 8 |
| 3 | 1 3 9 |
| 4 | 4 7 |

hours

Show your work

#5

A teacher gave kids the following chart to show the distribution of marks on a final. What was the top score on the final?

Final Marks

| Stem | Leaf |
|------|-------|
| 1 | 8 9 |
| 2 | 3 |
| 3 | 1 2 7 |

- 49 points 36 points
 40 points 37 points

Show your work

#6

Ryan the researcher went on an trip and measured randomly selected trees he saw in the forest. How tall was the tallest tree?

Tree Height (feet)

| Stem | Leaf |
|------|---------|
| 1 | 7 |
| 2 | 2 3 8 9 |
| 3 | 6 8 9 |
| 4 | 4 |

feet

Show your work

#7

The data below shows how many animals a collection of different zoos have. How many animals does the smallest zoo have?

Zoo Animal Count

| Stem | Leaf |
|------|---------|
| 2 | 3 6 9 9 |
| 3 | 1 2 5 9 |
| 4 | 9 |

animals

Show your work

#8

Caden measures how long it takes to walk a bunch of different routes to school. He doesn't want the fastest, because he enjoys walking. How many routes are greater than 12, but less than 52 minutes?

Route Length To School (minutes)

| Stem | Leaf |
|------|---------|
| 1 | 7 |
| 2 | 3 8 |
| 3 | 0 5 |
| 4 | 0 5 6 |
| 5 | 0 0 3 8 |

- 10 routes 12 routes
 8 routes 9 routes

Show your work

#9

The data below shows how many animals a collection of different zoos have. How many animals does the smallest zoo have?

Zoo Animal Count

| Stem | Leaf |
|------|---------|
| 1 | 6 |
| 2 | 2 3 6 8 |
| 3 | 9 |

animals

Show your work



#10

A yearly employee count is put into the chart below.
How many years were there 21 employees?

Yearly Employee Count

| Stem | Leaf |
|------|-------|
| 2 | 0 1 7 |
| 3 | 0 7 9 |
| 4 | 1 3 4 |

- 2 years 4 years
 1 years 3 years

Show your work

#11

How many people who took this survey are 33 years old?

Age of Survey Participants

| Stem | Leaf |
|------|---------|
| 2 | 6 8 |
| 3 | 3 4 9 9 |

- 0 people 2 people
 1 people 4 people

Show your work

#12

Evan and his father went to every ice cream shop in the city and counted how many flavors they had. How many stores had greater than 32, but less than 41 flavors?

Ice Cream Store Flavor Count

| Stem | Leaf |
|------|-------|
| 1 | 8 |
| 2 | 2 3 7 |
| 3 | 1 7 |
| 4 | 1 4 4 |

- 0 stores 4 stores
 2 stores 1 stores

Show your work

| Question | Answer |
|----------|----------|
| #1 | 4 |
| #2 | 2 |
| #3 | 45 |
| #4 | 47 |
| #5 | choice 4 |
| #6 | 44 |
| #7 | 23 |
| #8 | choice 1 |
| #9 | 16 |
| #10 | choice 3 |
| #11 | choice 3 |
| #12 | choice 4 |