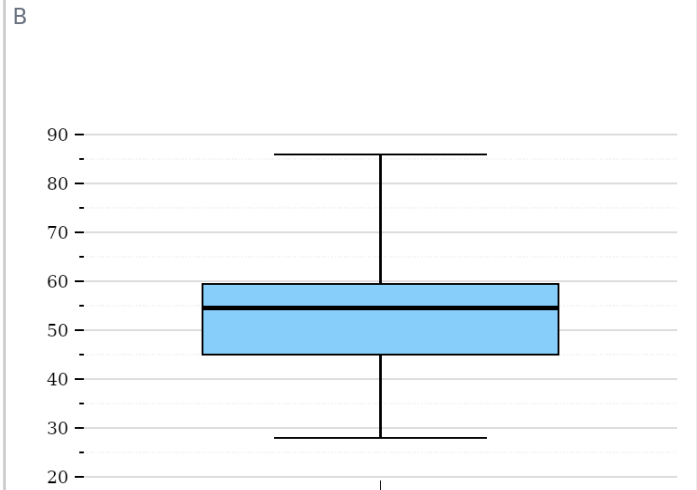
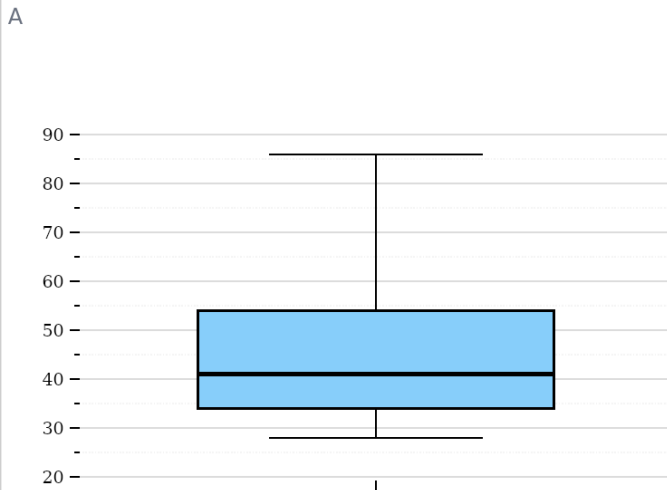


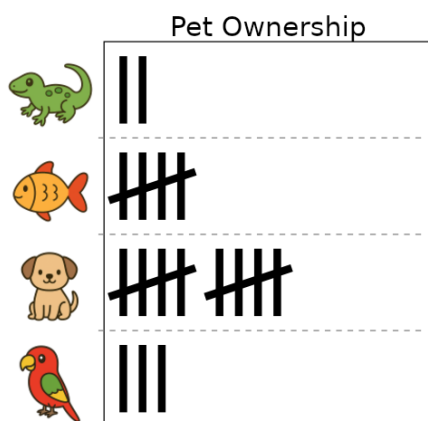
Data and Statistics

1 Which box plot represents this data set?

28, 42, 48, 51, 58, 59, 60, 86



2 What is the average number of kids who own one of these types of pets?



A	0	B	10	C	3
D	4	E	5	F	6

3 Find the mean of these numbers

3, 1, 30, 8, 8

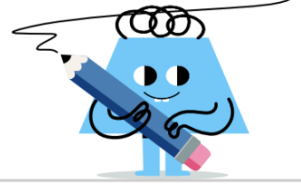
A	13	B	4	C	7
D	8	E	10	F	9

4 Which class has a lower mean?

Class A : 77, 80, 83, 71, 89

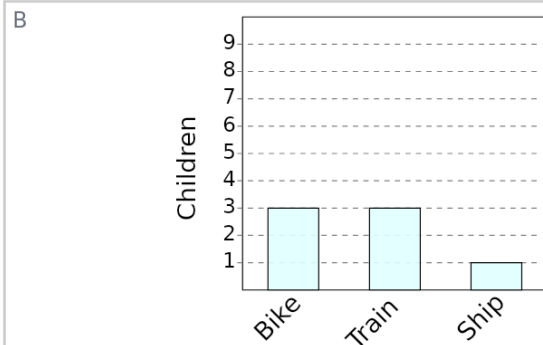
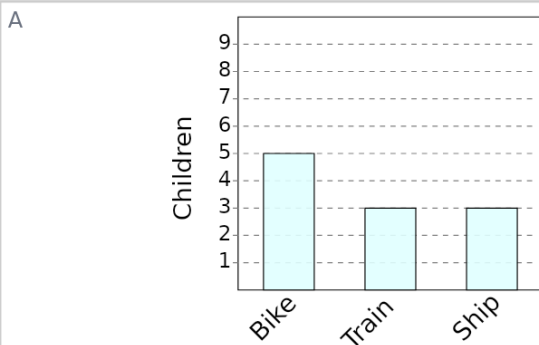
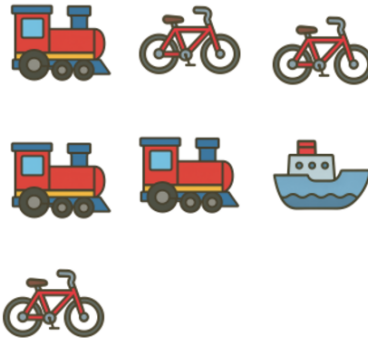
Class B : 88, 87, 91, 85, 89

A	Class A	B	Class B
---	---------	---	---------



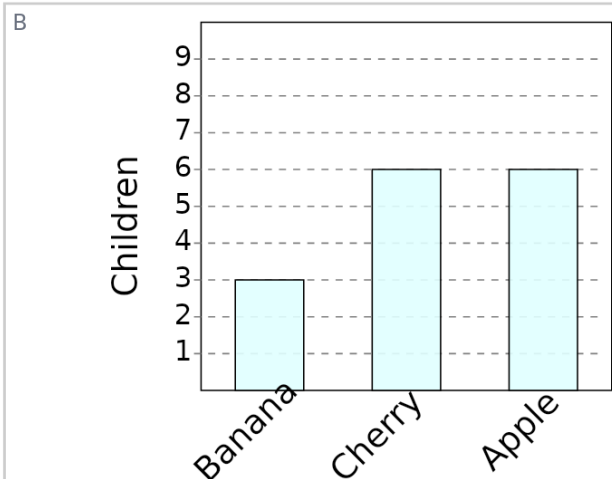
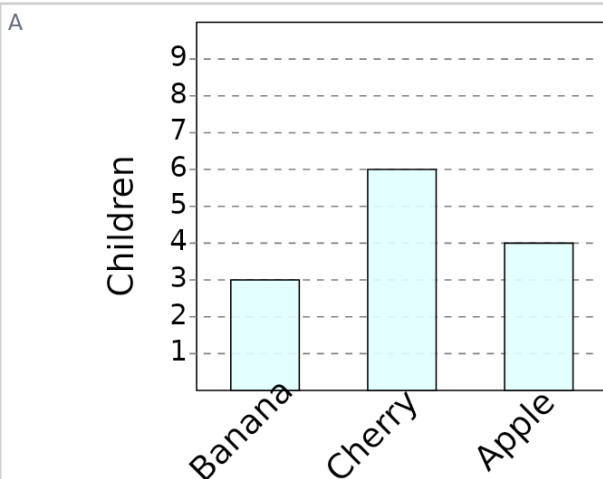
Data and Statistics

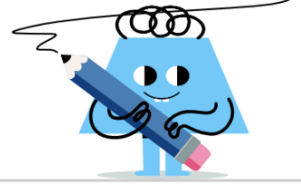
5 Create a bar chart with this data. Each picture represents a kid's way to travel.



6 Create a bar chart with this data

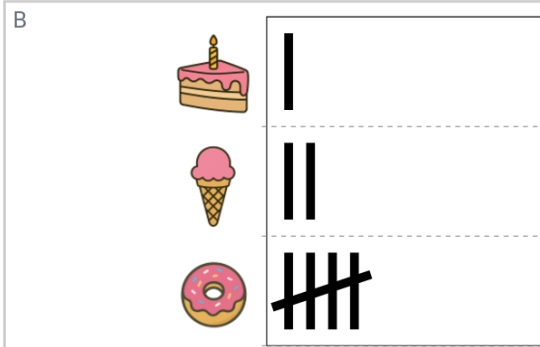
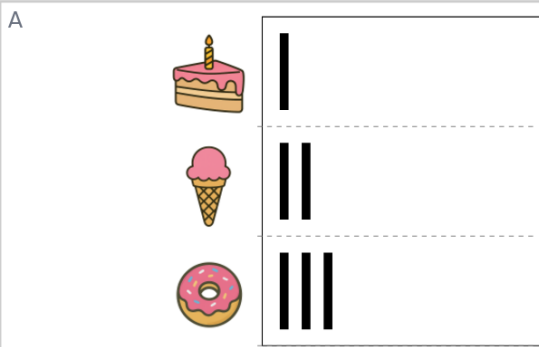
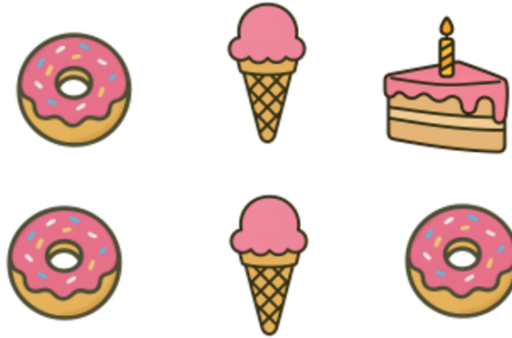
3 kids like banana, 6 like cherry, 6 like apple.



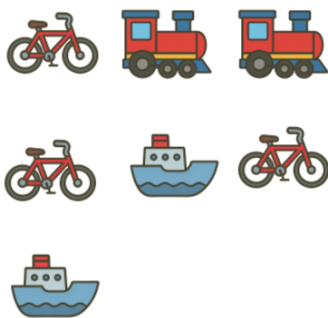


Data and Statistics

7 Create a tally chart with this data. Each picture represents a kid's favourite treat.



8 Create a table with this data. Each picture represents a kid's way to travel.



A

	2
	2
	3

B

	2
	4
	3

9 Which player has more points per game on average?

Player A : 23, 21, 25, 27, 24

Player B : 43, 37, 25, 34, 31

A
Player A

B
Player B

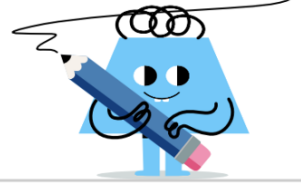
10 What is the interquartile range (IQR) of this data set?
15, 19, 22, 36, 58, 61, 65, 81, 84, 87

A
72

B
81

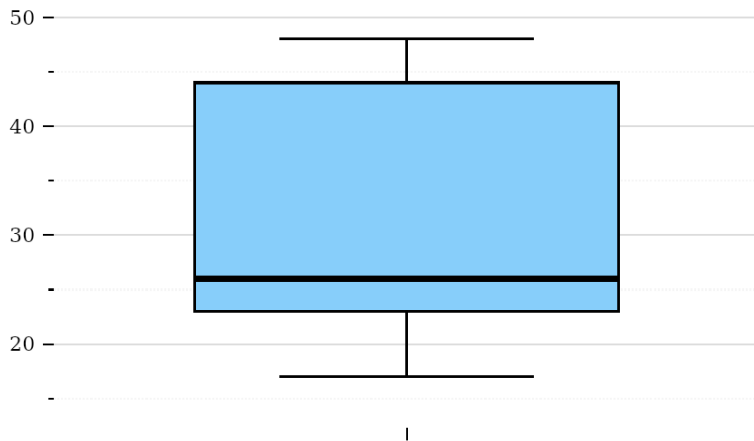
C
59

D
103



Data and Statistics

11 What is the interquartile range (IQR) of this box plot?



A

67

B

44

C

21

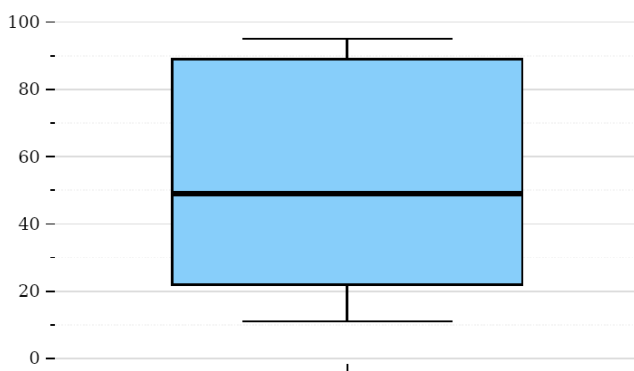
D

31

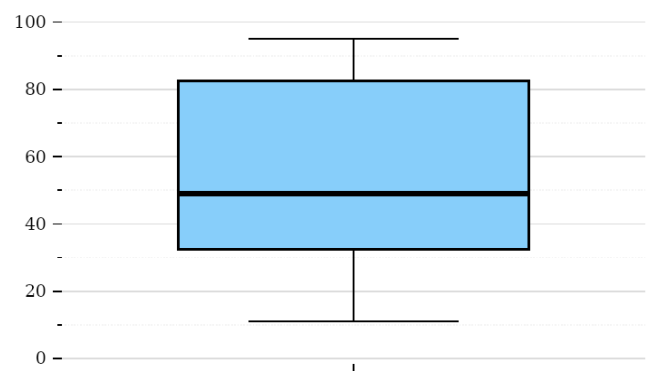
12 Which box plot represents this data set?

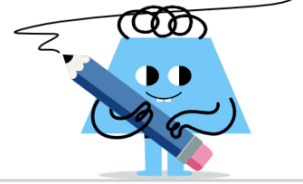
11, 23, 42, 44, 49, 54, 74, 91, 95

A



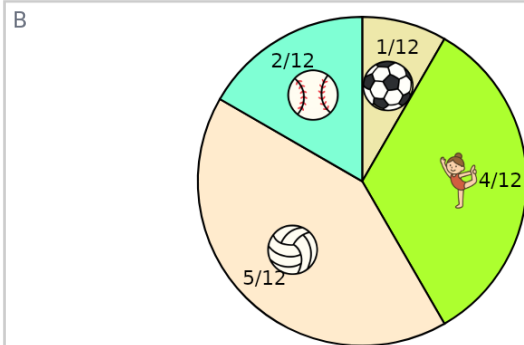
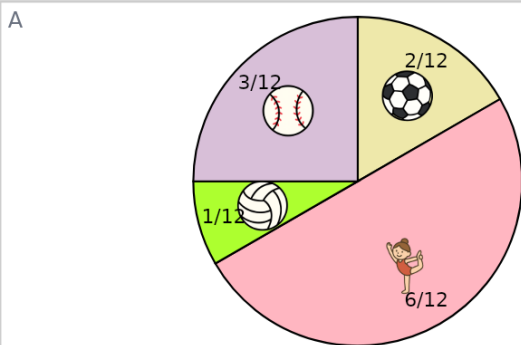
B





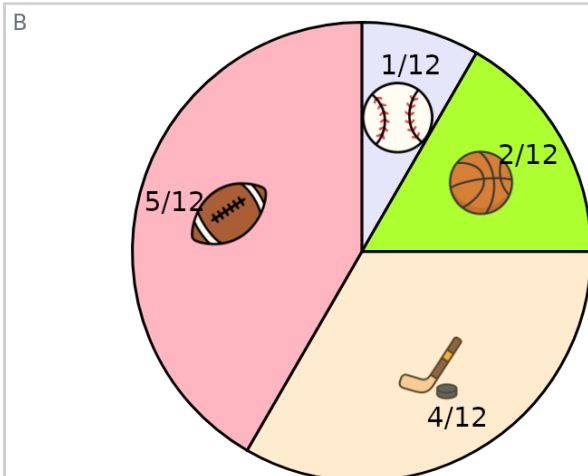
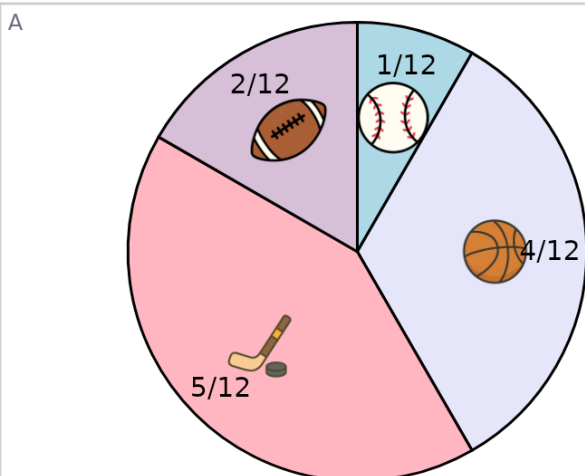
Data and Statistics

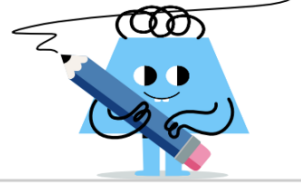
13 Create a circle graph with this data. Each picture represents a kid's favourite sport.



14 Create a circle graph with this data

1 kids like baseball, 4 like basketball, 5 like hockey, 2 like football.

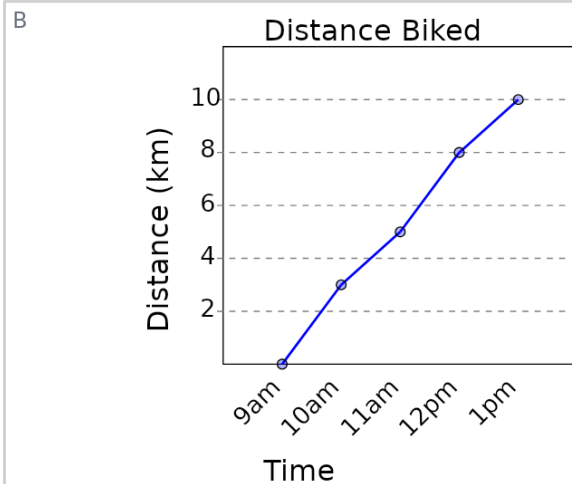
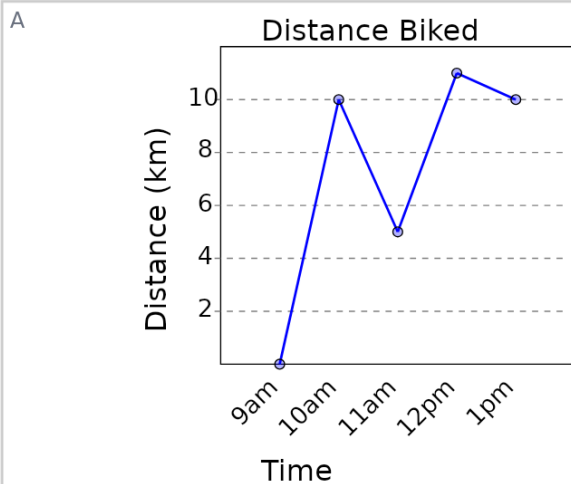




Data and Statistics

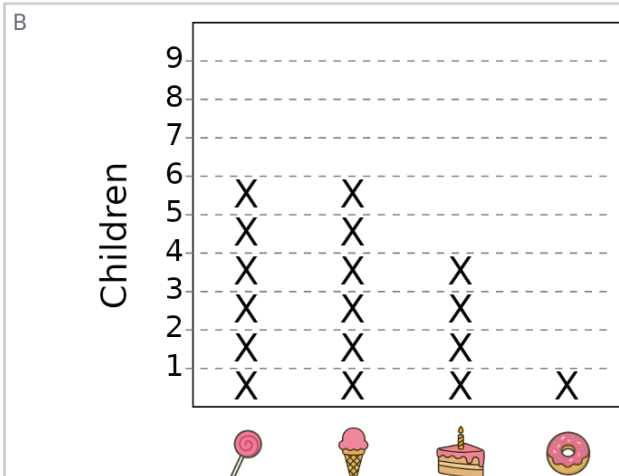
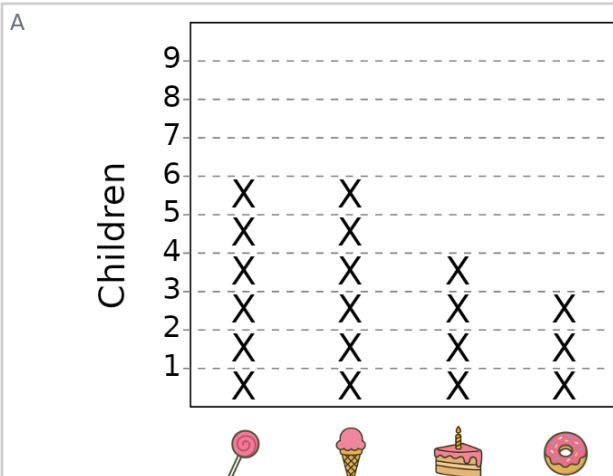
15 Create a line graph with this data

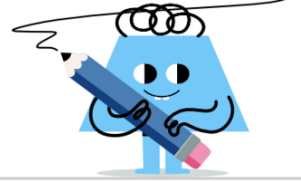
The distance was 0km at 9am, 3km at 10am, 5km at 11am, 8km at 12pm, 10km at 1pm.



16 Create a line plot with this data

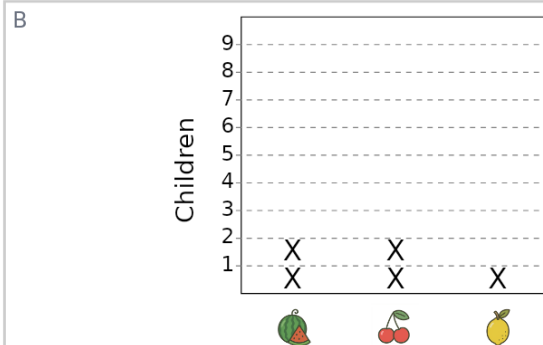
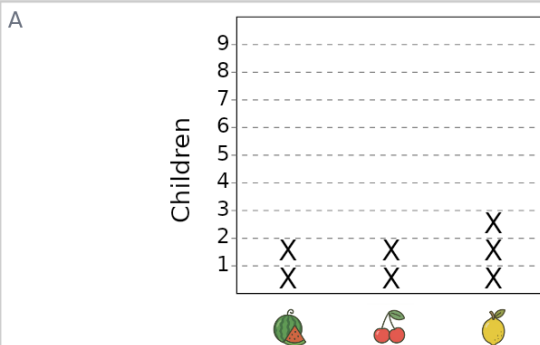
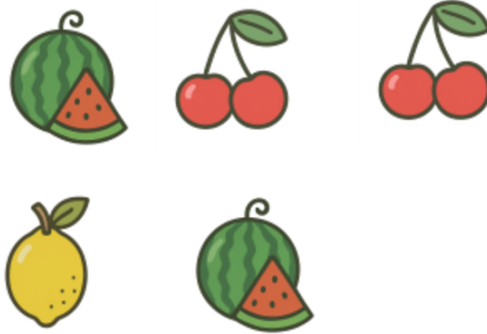
6 kids like lollipop, 6 like ice cream, 4 like cake, 1 like donut.



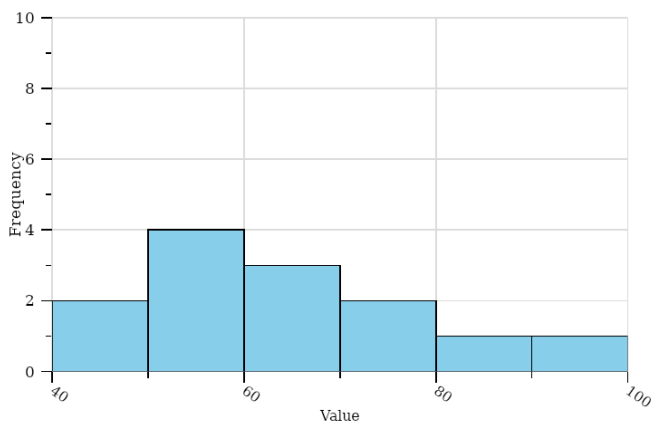


Data and Statistics

17 Create a line plot with this data. Each picture represents a kid's favourite fruit.



18 What is the distribution type of this histogram?

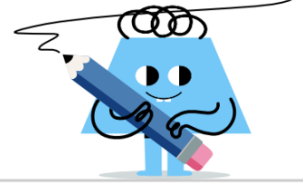


A
right-skewed

B
left-skewed

C
uniform

D
approximately symmetric



Data and Statistics

19 What distribution type does this frequency table suggest?

- | | |
|---|-------------------------|
| A | right-skewed |
| B | uniform |
| C | approximately symmetric |
| D | left-skewed |

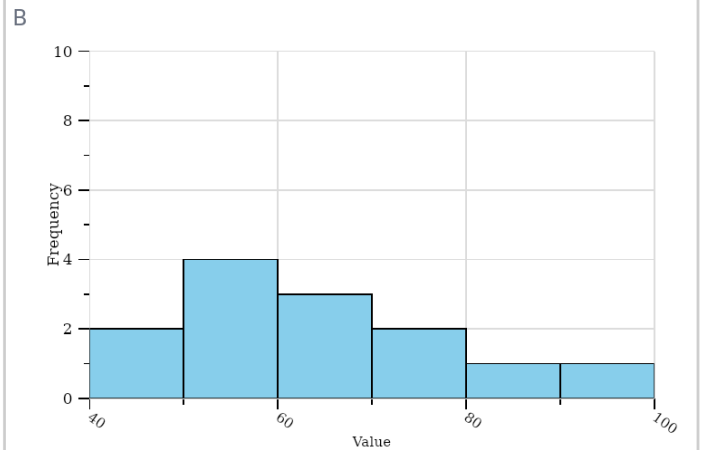
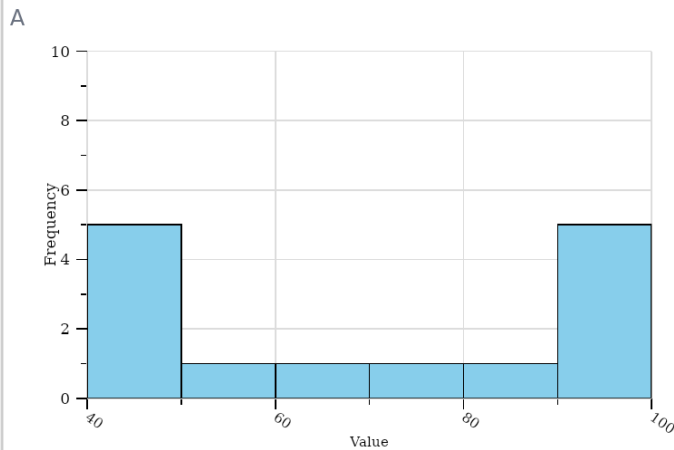
20 What is the missing number that results in these numbers having the given mean

11, 15, 13, ?, 15 mean = 13

- | | | | | | |
|---|----|---|----|---|----|
| A | 11 | B | 14 | C | 6 |
| D | 8 | E | 9 | F | 10 |

21 Which histogram has Q3 about 75.5?

Q3=75.5



22 Find the mean of these numbers

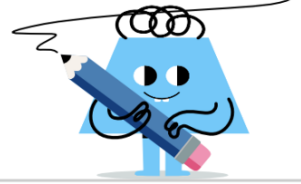
8, 1, 12, 7

- | | | | | | |
|---|----|---|----|---|---|
| A | 3 | B | 11 | C | 7 |
| D | 10 | E | 9 | F | 1 |

23 What is the median of this data set?

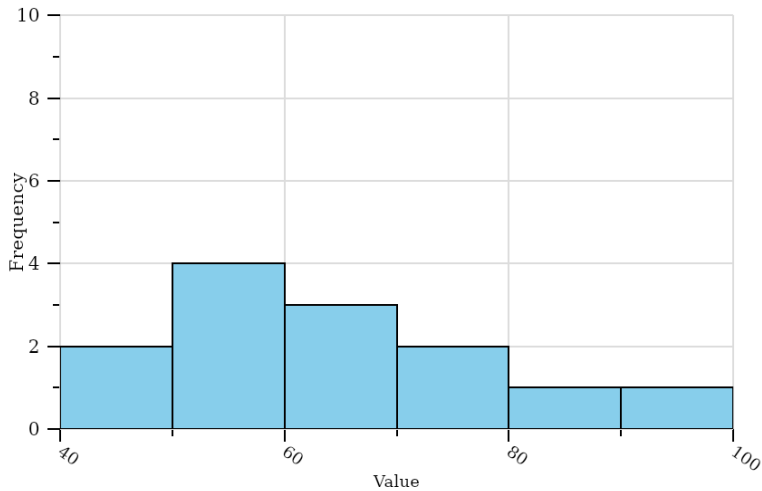
81, 22, 11, 37, 84, 27, 82, 16, 81, 72

- | | | | |
|---|------|---|------|
| A | 54.5 | B | 51.5 |
| C | 22 | D | 81 |



Data and Statistics

24 Estimate the median from this histogram.



A

81

B

61

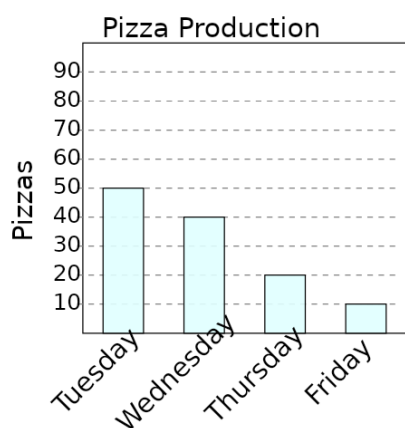
C

91

D

41

25 What is the average number of pizzas produced each day?



A

60

B

20

C

10

D

30

E

40

F

50

26 What is the median of this data set?
34, 96, 59, 50, 36, 33, 57, 37, 43

A

35

B

46.5

C

58

D

43

27 Find the mode of these numbers

8, 11, 6, 11, 11

A

9

B

11

C

8

D

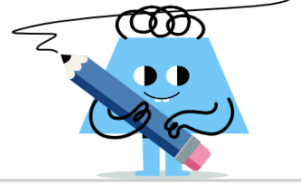
12

E

15

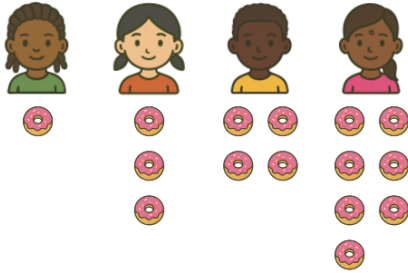
F

6



Data and Statistics

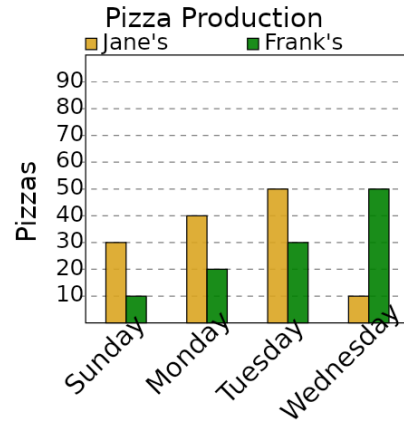
28 What is the RANGE of the number of donuts among the kids?



1 3 4 7

A	3	B	10	C	5
D	0	E	6	F	4

29 How many more pizzas were made on Tuesday at Frank's than on Wednesday at Jane's?



A	20	B	10	C	90
D	60	E	30	F	40

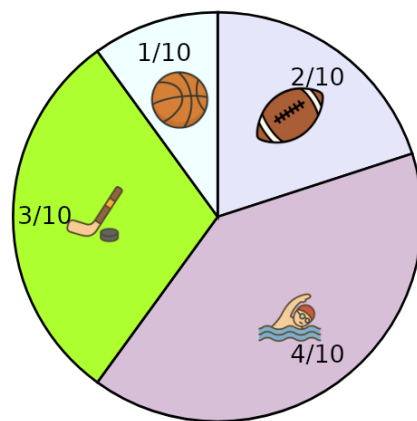
30 Is the value 10 an outlier in this data set?
10, 23, 24, 42, 60, 70, 86, 95

A	No	B	Yes
---	----	---	-----

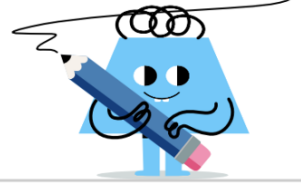
32 Create a table with this data
2 kids like ice cream, 5 like lollipop, 4 like cake.

A	2	B	4
	5		5
	4		6

31 150 kids were surveyed. How many kids like swimming as a sport?

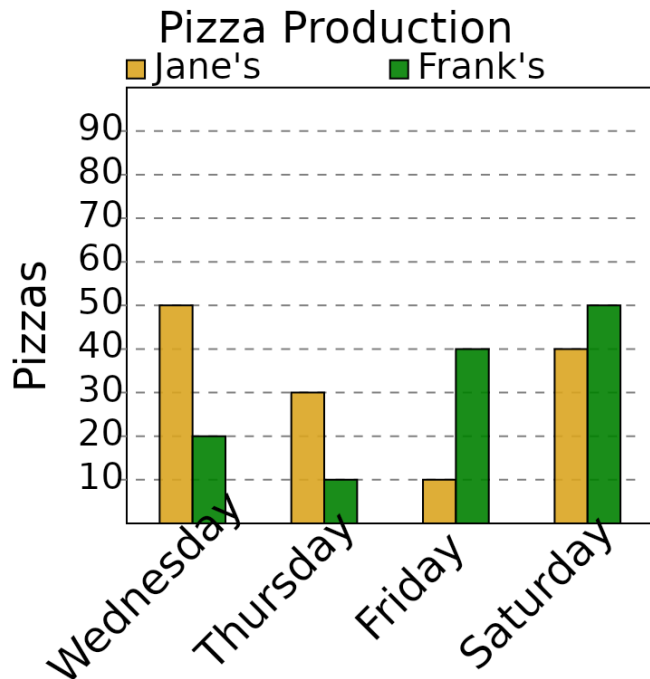


A	15	B	60	C	45
D	30	E	90		



Data and Statistics

33 Were more pizzas made on Wednesday at Frank's or on Thursday at Jane's?



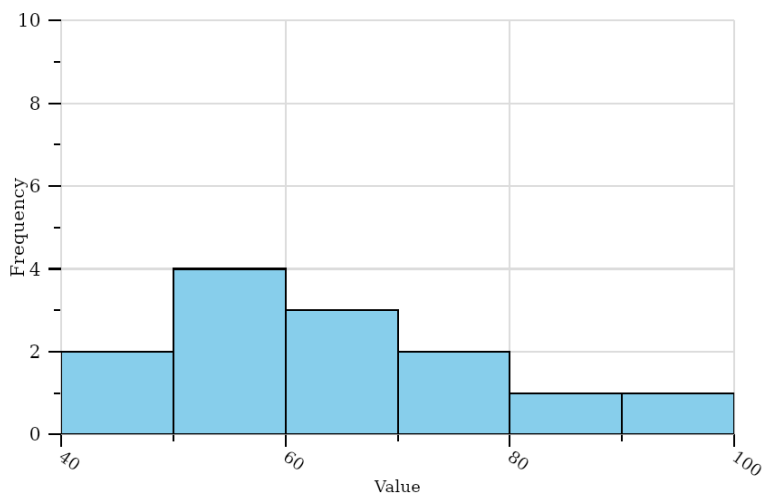
A

Frank's / Wednesday

B

Jane's / Thursday

34 Estimate Q3 from this histogram.



A

95

B

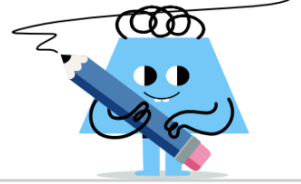
105

C

75

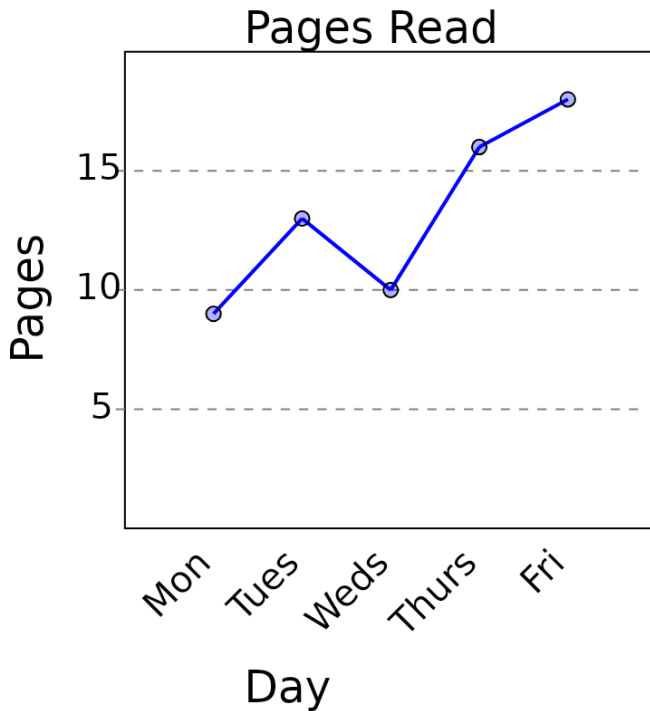
D

55



Data and Statistics

35 Which has the higher page count, Mon or Thurs?



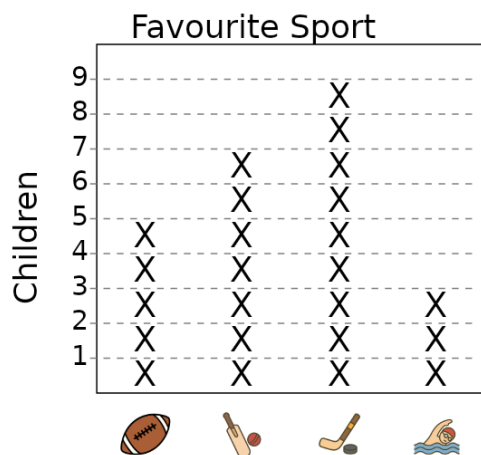
A

Mon

B

Thurs

36 How many kids like football as a sport?



A

12

B

5

C

10

D

8

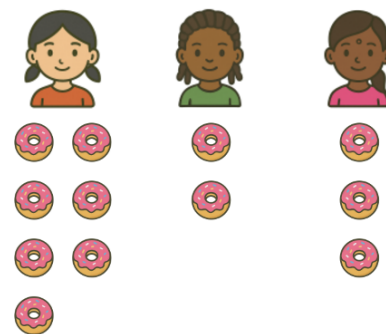
E

7

F

2

37 How many donuts would each kid have if they SHARED evenly?



7

2

3

A

2

B

0

C

6

D

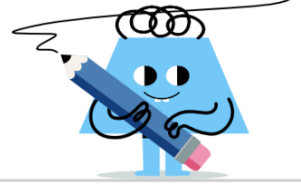
8

E

5

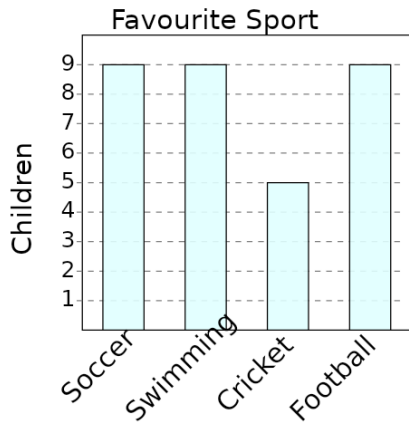
F

4



Data and Statistics

38 What is the average number of kids who like each sport?



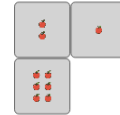
A	8	B	4	C	15
D	7	E	14	F	13

39 Find the mean of these numbers

5, 7, 12, 12

A	8	B	5	C	12
D	10	E	9	F	14

40 What is the DIFFERENCE between the largest and smallest number of apples in these groups?



A	1	B	2	C	5
D	10	E	9	F	0