



Data and Probability

- 1 What is the median of this data set?
34, 47, 50, 30, 64, 34, 38, 96

A 42.5	B 34
C 57	D 45.5

- 2 What is the median of this data set?
64, 59, 52, 41, 15, 40, 44, 60

A 50	B 59.5
C 40.5	D 48

- 3 Find the median of these numbers
13, 14, 13, 16, 15, 5, 14

A 10	B 8	C 5
D 14	E 15	F 12

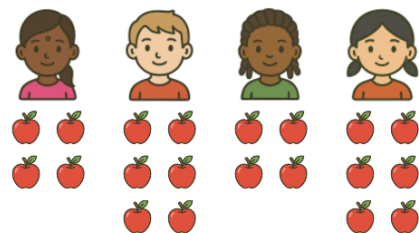
- 4 Find the mode of these numbers
3, 7, 8, 3

A 1	B 0	C 3
D 8	E 2	F 6

- 5 Find the range of these numbers
6, 17, 4, 18

A 15	B 8	C 14
D 18	E 13	F 19

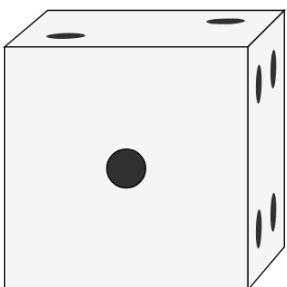
- 6 What is the RANGE of the number of apples among the kids?



4 6 4 6

A 6	B 7	C 1
D 2	E 0	F 4

- 7 Which of these is more likely?



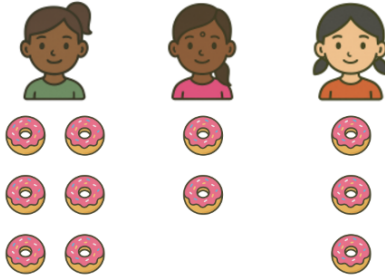
A Roll a number less than 6

B Roll a 4



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- 8** What is the DIFFERENCE between the largest and smallest number of donuts the kids have?



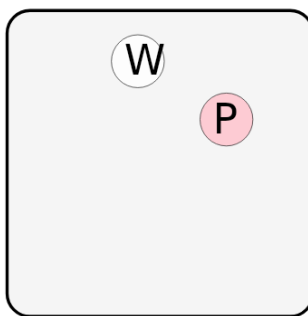
6

2

3

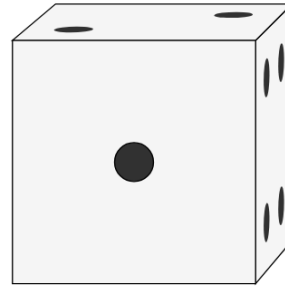
A	4	B	9	C	0
D	1	E	7	F	2

- 11** What is the chance of drawing a white circle at random from this bag?



A	$\frac{2}{8}$	B	$\frac{2}{2}$
C	$\frac{2}{3}$	D	$\frac{1}{2}$
E	$\frac{2}{10}$	F	$\frac{2}{5}$

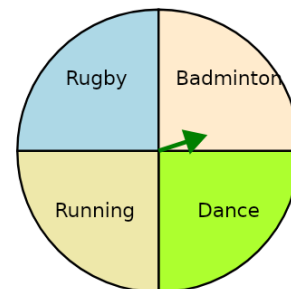
- 9** Which of these is less likely?



A Roll a number greater than 6

B Roll a 4

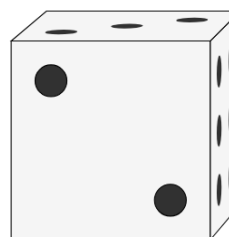
- 10** Calculate the probability of spinning a racquet sport. Show as a fraction



P(racquet sport)

A	$\frac{2}{7}$	B	$\frac{1}{8}$
C	$\frac{1}{9}$	D	$\frac{1}{4}$
E	$\frac{3}{5}$		

- 12** How likely is it that you would roll a number greater than 0?



A	certain
B	likely
C	unlikely
D	impossible



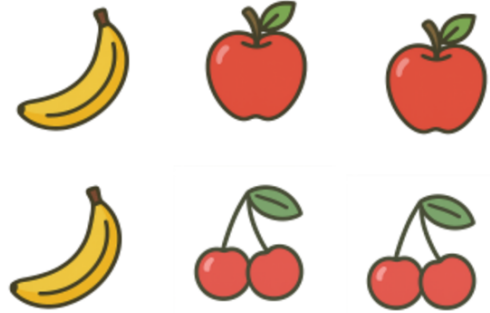
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13 What is the chance of flipping heads on this coin?



A	$\frac{2}{3}$	B	$\frac{1}{2}$
C	$\frac{2}{6}$	D	$\frac{2}{5}$
E	$\frac{3}{4}$	F	$\frac{2}{5}$

14 Create a table with this data. Each picture represents a kid's favourite fruit.

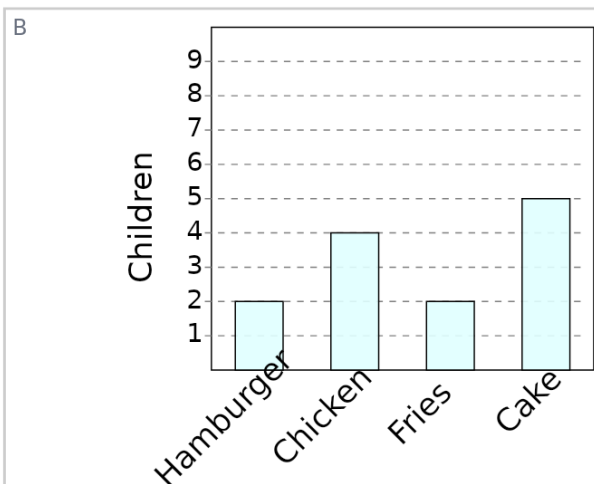
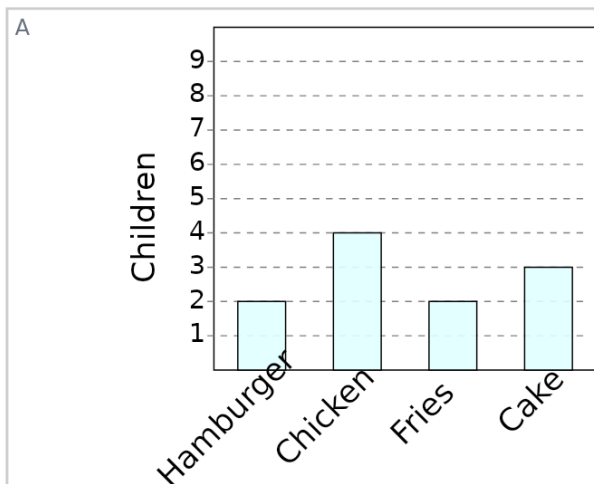


A	<table><tr><td></td><td>2</td></tr><tr><td></td><td>4</td></tr><tr><td></td><td>4</td></tr></table>		2		4		4
	2						
	4						
	4						

B	<table><tr><td></td><td>2</td></tr><tr><td></td><td>2</td></tr><tr><td></td><td>2</td></tr></table>		2		2		2
	2						
	2						
	2						

15 Create a bar chart with this data

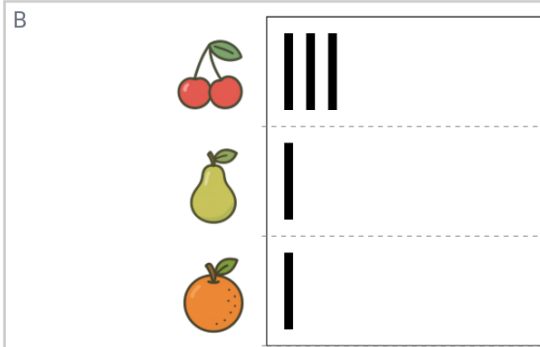
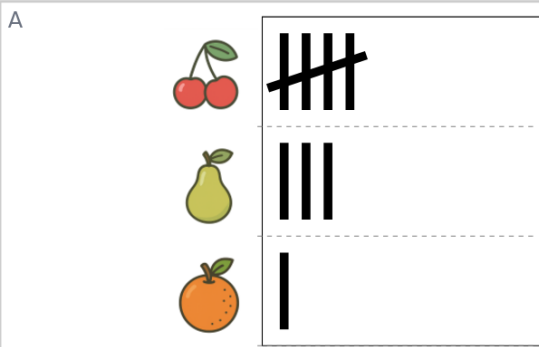
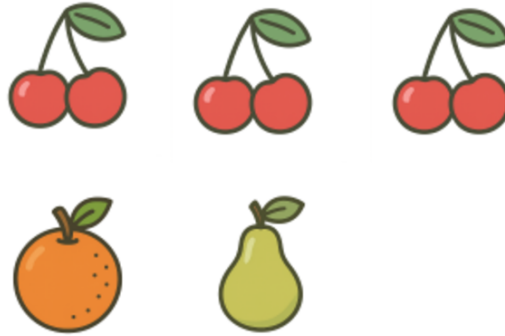
2 kids like hamburger, 4 like chicken, 2 like fries, 5 like cake.





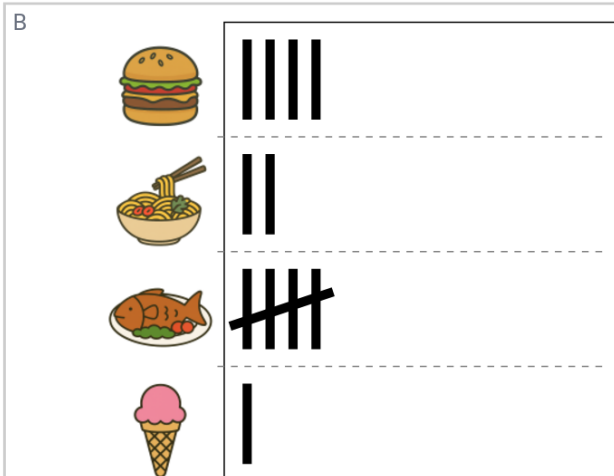
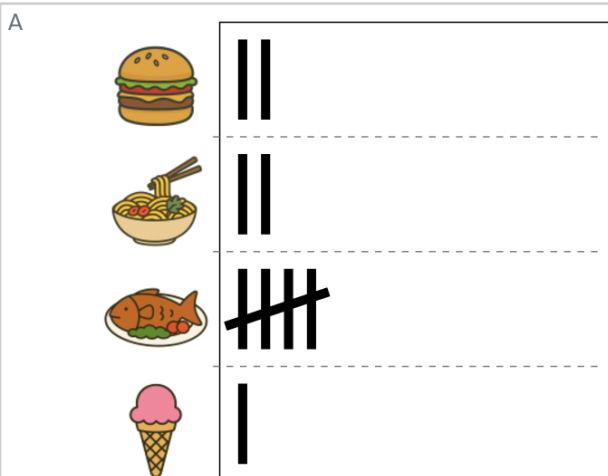
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16 Create a tally chart with this data. Each picture represents a kid's favourite fruit.



17 Create a tally chart with this data

**2 kids like hamburger, 2 like noodles,
5 like fish, 1 like ice cream.**

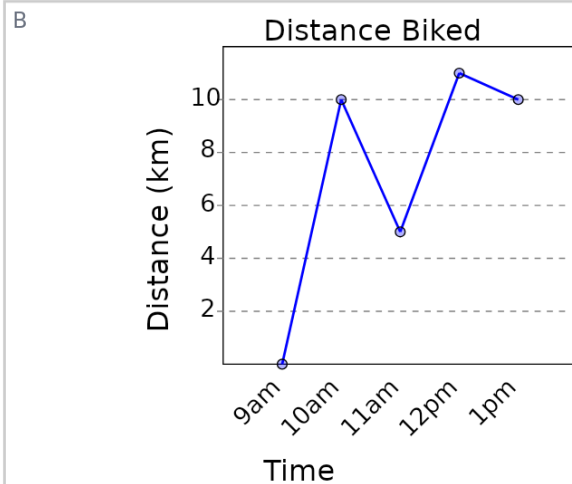
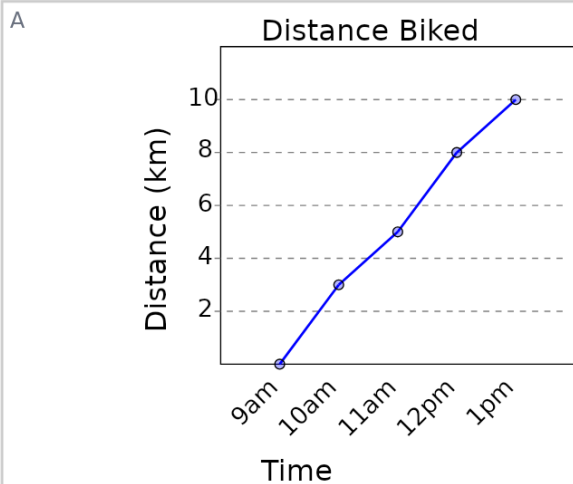




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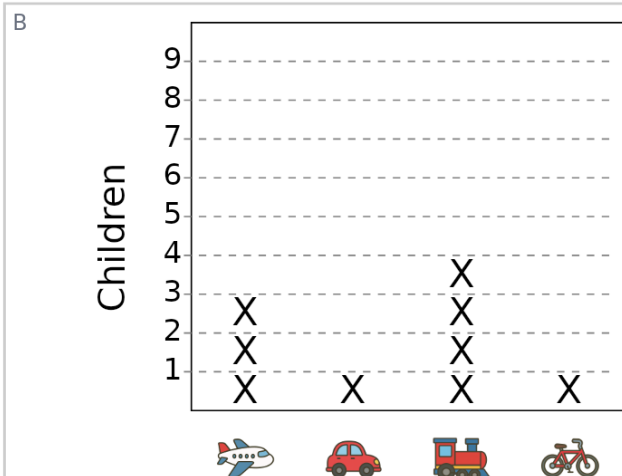
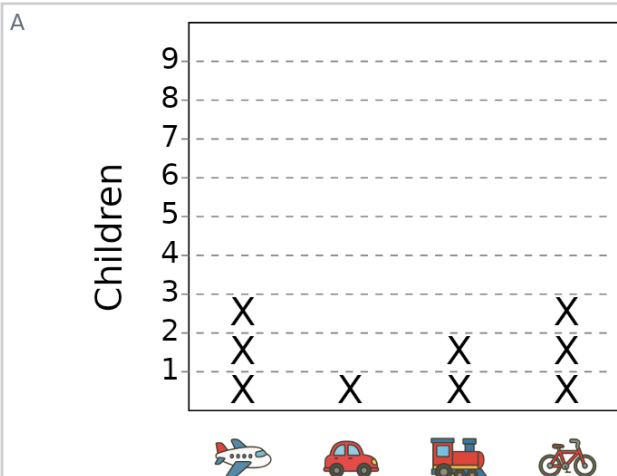
18 Create a line graph with this data

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



19 Create a line plot with this data

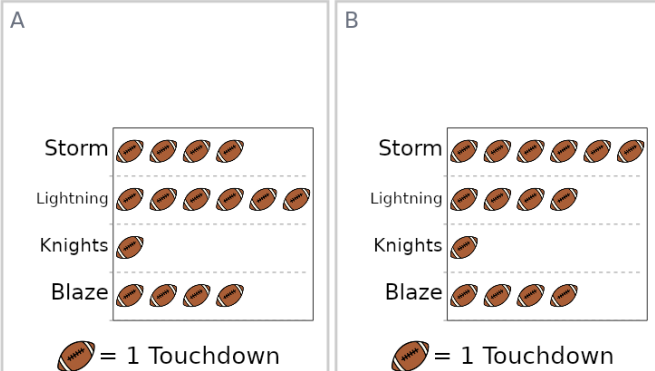
3 kids like plane, 1 like car, 2 like train, 3 like bike.



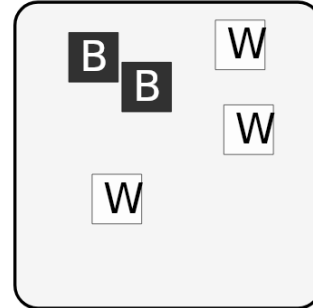


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20 Create a pictogram with this data
the Storm scored 6 touchdowns, the Lightning scored 4 touchdowns, the Knights scored 1 touchdown, the Blaze scored 4 touchdowns.

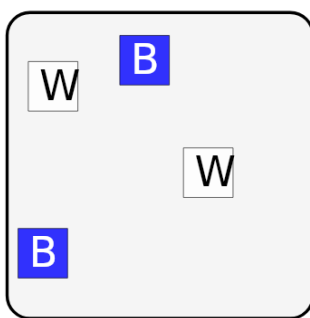


21 What is the chance of drawing a white shape at random from this bag?



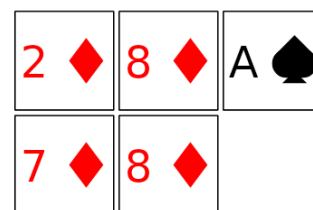
A	$\frac{5}{10}$	B	$\frac{2}{3}$
C	$\frac{4}{4}$	D	$\frac{4}{6}$
E	$\frac{3}{5}$	F	$\frac{6}{8}$

22 What is the chance of drawing a white square at random from this bag?



A	$\frac{1}{5}$	B	$\frac{2}{4}$
C	$\frac{2}{2}$	D	$\frac{2}{6}$
E	$\frac{4}{10}$	F	$\frac{3}{3}$

23 Calculate the probability of drawing any 7. Show as a fraction



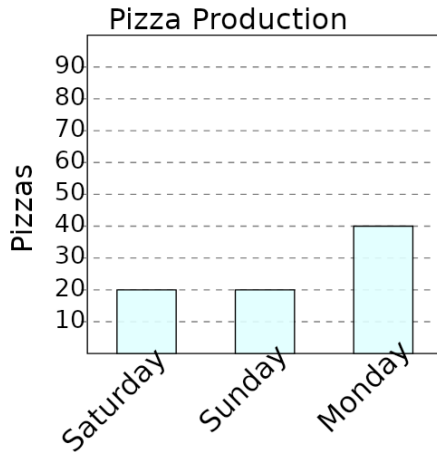
P(7)

A	$\frac{2}{4}$	B	$\frac{1}{5}$
C	$\frac{4}{5}$	D	$\frac{4}{7}$
E	$\frac{1}{6}$		



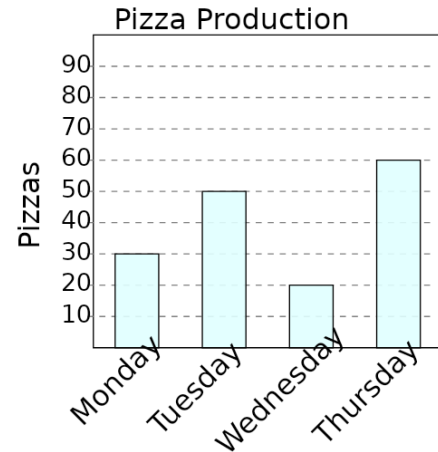
Data and Probability

24 How many pizzas were made in total?



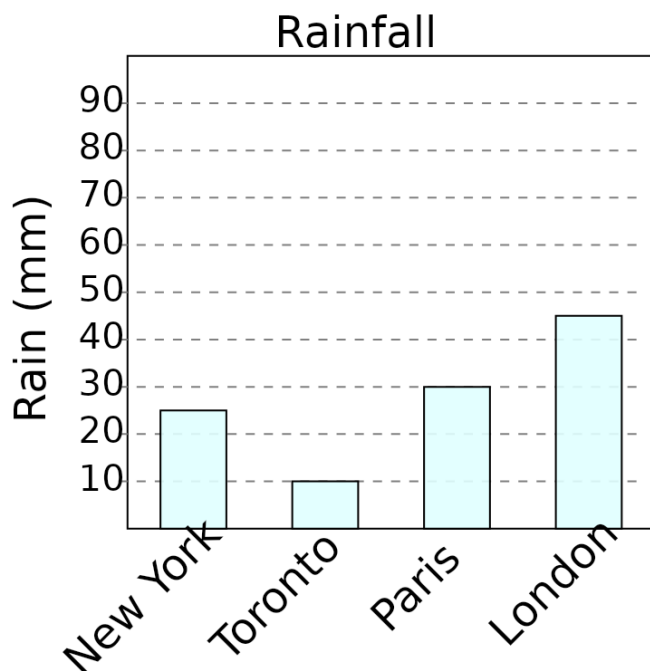
A 20	B 110	C 0
D 80	E 30	F 50

25 How many pizzas were made on Thursday?



A 20	B 60	C 50
D 70	E 10	F 130

26 Did more rain fall in Paris or in London?

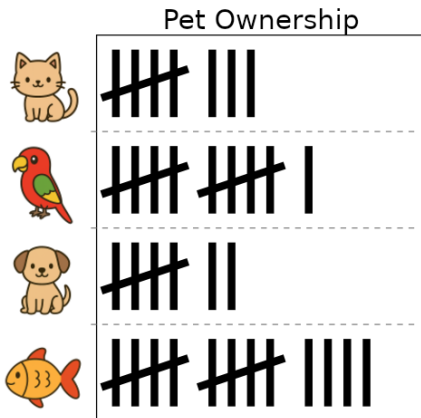


A	London
B	Paris



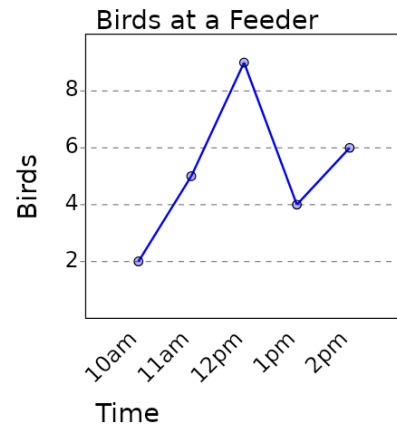
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27 How many more kids have a cat than a dog as a pet?



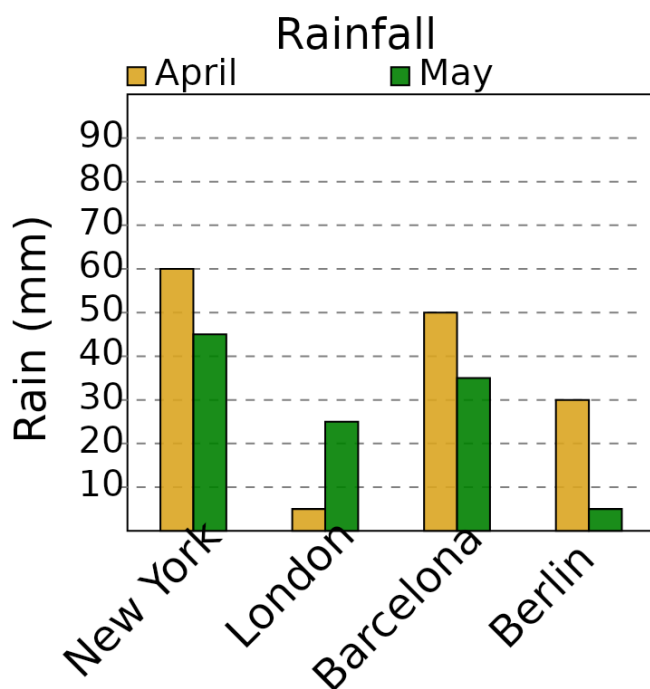
A	4	B	7	C	8
D	3	E	1		

28 What is the difference in bird count between 12pm and 10am?



A	6	B	9	C	3
D	10	E	0	F	7

29 Did more rain fall during April in New York or during May in Barcelona?



A

April / New York

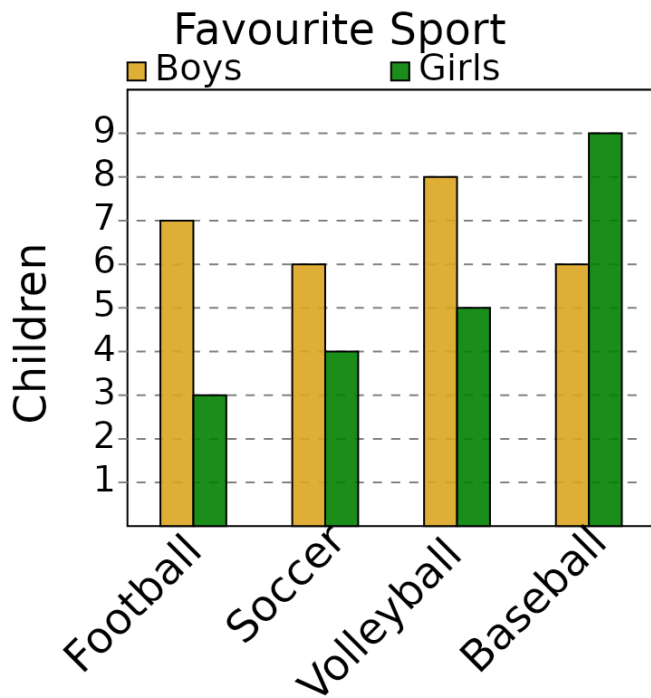
B

May / Barcelona



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30 What sport do the LARGEST number of either boys or girls like?



A

Girls / Soccer

B

Boys / Volleyball

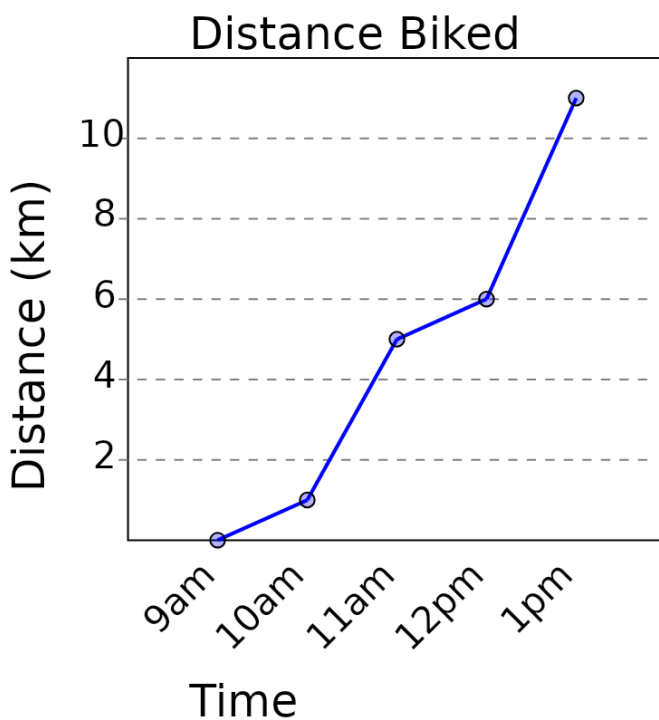
C

Girls / Baseball

D

Girls / Football

31 Which time has the highest distance?



A

1pm

B

11am

C

9am

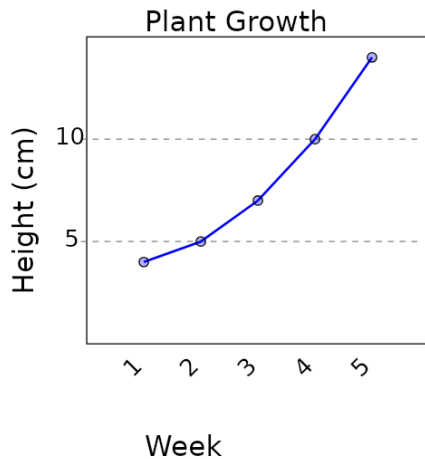
D

12pm



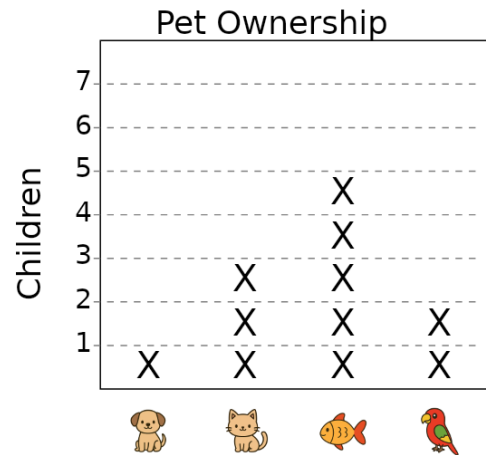
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32 Which week has the lowest height?



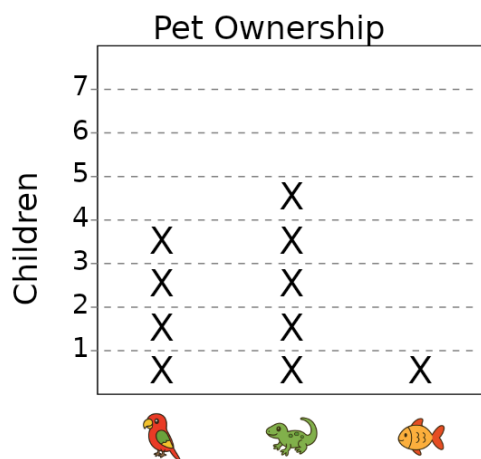
- | | | |
|--------|--------|--------|
| A
1 | B
3 | C
2 |
| D
5 | E
4 | |

33 How many kids have a fish as a pet?



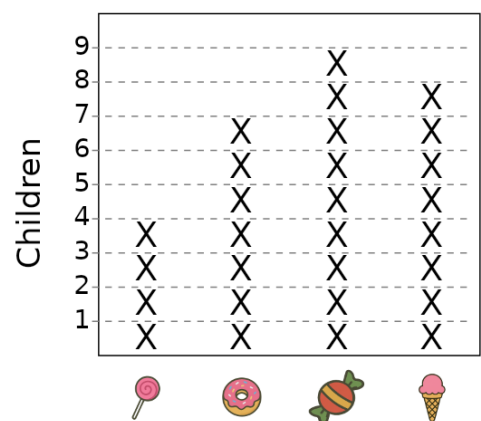
- | | | |
|--------|---------|--------|
| A
0 | B
2 | C
5 |
| D
3 | E
11 | F
6 |

34 How many total children were surveyed?



- | | | |
|--------|---------|--------|
| A
3 | B
8 | C
7 |
| D
6 | E
10 | |

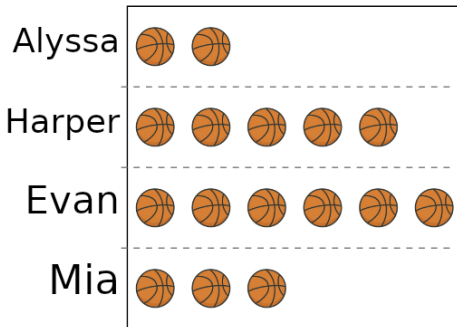
35 How many more kids like candy than lollipop as a treat?



- | | | |
|--------|--------|--------|
| A
2 | B
5 | C
8 |
| D
7 | E
9 | F
0 |

**Data and Probability**

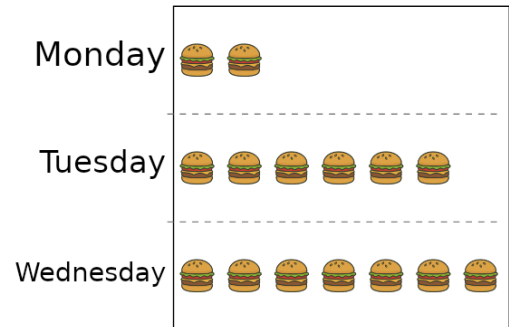
36 How many free throws did Mia make? (each picture is 5)



 = 5 Free Throws

A	7	B	10	C	13
D	15	E	21	F	14

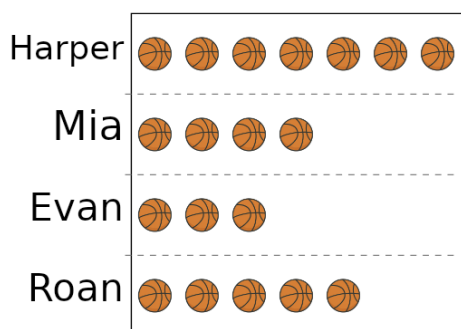
37 How many hamburgers in total were sold? (each picture is 5)



 = 5 Hamburgers

A	77	B	70	C	68
D	71	E	75	F	69

38 How many total free throws did harper and mia make? (each picture is 5)



 = 5 Free Throws

A	53	B	59	C	55
D	60	E	51	F	61