

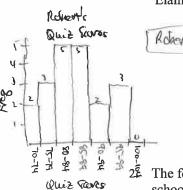
Use the data to make a cumulative frequency table and a histogram for both students.

1. Robert and Elaine's quiz scores for the first semester of Algebra 1 are shown below. 7 classes 70 74 75 77 79 80 81 82 84 85 85 87 88 89 91 92 96 96 99 Robert's Quiz Scores - 85, 95, 70, 81, 78, 82, 84, 84, 85, 99, 88, 74, 75, 89, 79, 80, 92, 91, 96, 81

99-70 \$5

Elaine's Quiz Scores - 89, 76, 87, 86, 92, 77, 78, 83, 83, 82, 81, 82, 84, 85, 85, 86, 89, 93, 77, 85

Haine

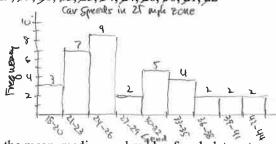


Class	1001	1.1 (0. 8/ 1
	Treg	Gen frey
70-74	2	2
75-79	3	5
80-84	5	10
85-89	5	15
90-94	2	17
95-99	3	20
100-104	O	20

docs	Freg	Gua Prez	Florings	
76-78	4	4	Qu'e saves	
76-78	1	2 6	1 ,5	
82-84	8	10 34	I4.	
95-87	6	16 2	41111.	
88-90	2 1	18 62.	+ 1	
94-96	0	20	+ -	
11 .0 9		20	1 3 3 3 3 2 2 3 3 B	
l area near	r an Elen	nentary	等完多品类品	

The following are speeds (mph) for cars in a 25 mph residential area near an Elementary school. Use 9 Classes

18 18 19 21 21 21 22 22 23 24 24 25 25 26 26 26 26 29 29 30 30 30 31 32 33 34 34 36 37 25, 22, 34, 25, 26, 35, 18, 39, 22, 32, 34, 26, 42, 28, 40, 36, 18, 30, 26, 30, 37, 28, 19, 33, 39, 40 42 43 24, 29, 39, 24, 43, 25, 34, 24, 26, 30, 24, 22



class	Treg	Cur. Freg
18-20	3	3
21-23	7	10
24-26	9	19
27-29	2,	21
30-32	5	26
31-35	4	30
36-38	2	32
37-41	2	34
42-44	2 (76

3. Find the mean, median, and mode of each data set.

4. The number of minutes students spend traveling to school each day.

8, 4, 18, 7, 13, 26, 12, 6, 20, 5, 9, 24, 8, 16, 31, 13, 14, 10, 8, 22, 12, 25, 13, 14, 18, 12, 16, 22, 25, 23

4 5 6 78889 10 11 12 12 12 13 13 13 13 16 16 17 18 18 20 21 212127 27 26 31 33

 $mean = \frac{(30)}{30} = 14.5 \approx 14.3$ median = 13

modes = 8, 12, 13

Construct a box-and-whisker plot for each or Kurt's total rushing yards per game for his junior and senior seasons on the same scale. (4) Min (3.50) (1) Max

Yards Gained Per Govent

4. 10 12 16 17 18 20 25 34 42 56 72 5. Junior Season (yds) – 16, 20, 72, 4, 25, 18, 34, 10, 42, 17, 56, 12

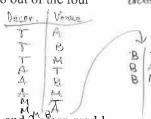
have an overall average of 80. Show all your mathematical work clearly.
$$81+80+79+83+82+81+80+80+8=80.10$$

$$725 + 10 = 800$$

 $10 = 75$

Migael most choof a 75 on but teate vocate to have an aurospe \$ 80.

Tim, Allen, Brent, and Matt have volunteered to be on a fundraising committee. If the first person chosen is in charge of the decorations and the second person chosen is in charge of the venue. Write down the possible sample space for choosing two out of the four



8. A bag contains 6 black marbles, 9 blue marbles, 4 yellow marbles, and 2 green marbles, You pick two marbles from the bag. You pick the second marble with replacing the TORRE 6+9+4+2 = 21

a. Find
$$P$$
 (two greens). $=$ $\frac{2}{21} \cdot \frac{2}{21} = \frac{4}{1441}$

b. Find P (blue then green).
$$=\frac{9}{24} \cdot \frac{2}{24} = \boxed{18}$$

c. Find P (not black, blue). =
$$\frac{15}{24} \cdot \frac{9}{24} = \frac{135}{444} = \left(\frac{15}{49}\right)$$

9. Two cards are selected, without replacing the first card, from a standard deck of 52 playing cards. Find the probability of selecting a king and then selecting a queen. $P(\mathbb{K} \text{ three } \mathbb{Q}) = \frac{4}{52} - \frac{3}{52} = \frac{12}{2764} = \sqrt{\frac{3}{676}}$

$$P(K_{10} = 0) = \frac{4}{52} \cdot \frac{3}{52} = \frac{12}{2704} = \frac{3}{676}$$

- 10. You select a card from a standard deck of 52 playing cards. Find the probability that the card is a 4 or an ace. R(4 = A) = & = (2)
- 11. You select two cards from a standard deck of 52 playing cards. Find the probability that you draw a facecard and then a Jack.

d and then a Jack.

Recovered then
$$3$$
) = $\frac{12}{52} \cdot \frac{4}{51} = \frac{48}{2652} = \frac{4}{221}$ (unless the first face to the way a