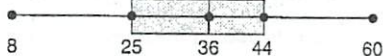


Why Didn't the Physics Teacher Marry the Biology Teacher?

Find each correct answer at the bottom of the page and write the letter for that answer under it.

- 1 For the box-and-whisker plot at the right, give the following:

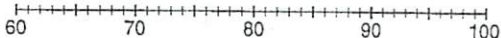
- O. the first quartile
- E. the second quartile (median)
- T. the third quartile
- H. the range



- 2 Arrange these scores in order from smallest to largest. Draw a box-and-whisker plot of the data under the number line at the right. Give the following:

TEST SCORES						
82	86	89	84	78	82	92
95	77	69	98	95	63	73

- A. the median
- I. the first quartile
- E. the third quartile
- C. the range
- R. percent of the scores between the first and third quartiles

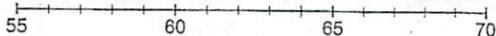


- 3 Arrange each set of heights in order from smallest to largest. Draw two box-and-whisker plots, one for boys and one for girls, under the number line at the right.

Heights of boys (in.): 64, 61, 66, 64, 58, 63, 68, 64, 60, 57, 65, 63, 69, 64, 64, 68, 61, 65
 Heights of girls (in.): 63, 60, 67, 62, 58, 63, 68, 59, 62, 65, 56, 63, 59, 62, 58

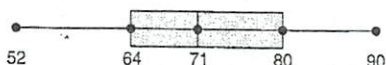
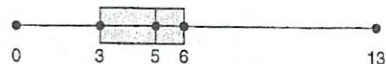
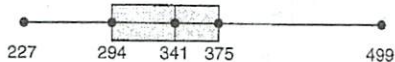
Give the following:

- T. the median for boys
- E. the first quartile for boys
- S. the third quartile for boys
- Y. the median for girls
- R. the first quartile for girls
- H. the third quartile for girls



- 4 Match each description with the most reasonable box-and-whisker plot. Look for the median of this plot in the answer spaces. Write the exercise letter in that box.

- N. Season scores of a baseball team
- S. Resting heart rates (beats per minute)
- W. Prices of 25-inch TV sets (\$)
- M. Ages at a Boy Scout meeting



64	52	92	59	36	89	341	83	65	38	5	25	60	35	63	61	13	77	71	44	50	62
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What Kind of People Most Enjoy Finger Painting?

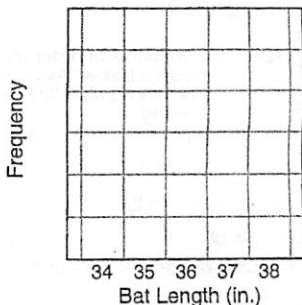
Find each correct answer at the bottom of the page and write the letter for that answer under it.

- 1 The Sluggers baseball team uses baseball bats in five different lengths. Complete the frequency table and make a **bar graph** to show the lengths of all the bats used by the team. Then answer the three questions.

36	36	35	35	36	36	34	35
35	34	36	37	35	37	35	35
37	35	36	35	38	35	37	36

Length	Tally	Total
34		O
35		A
36		T
37		G
38		E

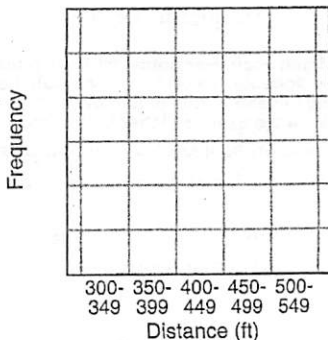
- A** What is the mean of the bat lengths?
T What is the median of the bat lengths?
U What is the mode of the bat lengths?





- 2 In 1998 Mark McGuire set a major league record by hitting 70 home runs. Complete the frequency table and make a histogram to show the distances of all 70 home runs that he hit.

3/31 364	5/19 471	6/30 472	8/30 501
4/02 368	5/19 451	7/11 485	9/01 450
4/03 364	5/22 425	7/12 405	9/01 472
4/04 419	5/23 366	7/12 415	9/02 497
4/14 424	5/23 477	7/17 511	9/02 458
4/14 347	5/24 397	7/17 425	9/05 381
4/14 462	5/25 433	7/20 458	9/07 430
4/17 419	5/29 388	7/26 452	9/08 341
4/21 437	5/30 423	7/28 408	9/15 385
4/25 419	6/05 409	8/08 374	9/18 341
4/30 371	6/08 356	8/11 464	9/20 423
5/01 362	6/10 409	8/19 398	9/25 375
5/08 358	6/12 438	8/19 409	9/26 403
5/12 527	6/17 437	8/20 369	9/26 435
5/14 381	6/18 449	8/20 385	9/27 377
5/16 545	6/24 433	8/22 477	9/27 370
5/18 478	6/25 461	8/23 393	
5/19 440	6/27 431	8/26 509	

Distance	Tally	Total
300-349		H
350-399		T
400-449		Y
450-499		R
500-549		N



	7	3	1	37 in.	25	2	35 in.	5	4	23	35.7 in.	21	6	10	16	35.5 in.	
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