

Tables, Pictographs, Bar Graphs, Line Graphs, and Circle Graphs

ACTUAL TEMPERATURE (°F)	RELATIVE HUMIDITY									
	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
	APPARENT TEMPERATURE (°F)									
75°	75	77	79	80	82	84	86	88	90	92
80°	80	82	85	87	90	92	94	97	99	102
85°	85	88	91	94	97	100	103	106	108	111
90°	90	93	97	100	104	107	111	114	118	121
95°	95	99	103	107	111	115	119	123	127	131
100°	100	105	109	114	118	123	127	132	137	141
105°	105	110	115	120	125	131	136	141	146	151

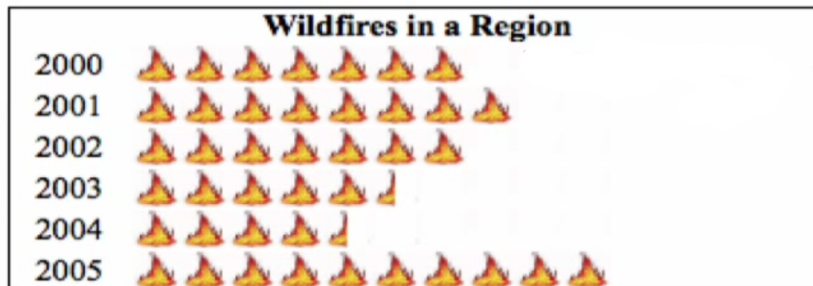


Which temperature-humidity combinations give an apparent temperature of 100°?

At an actual temperature of 95°, what relative humidities give an apparent temperature above 100°?

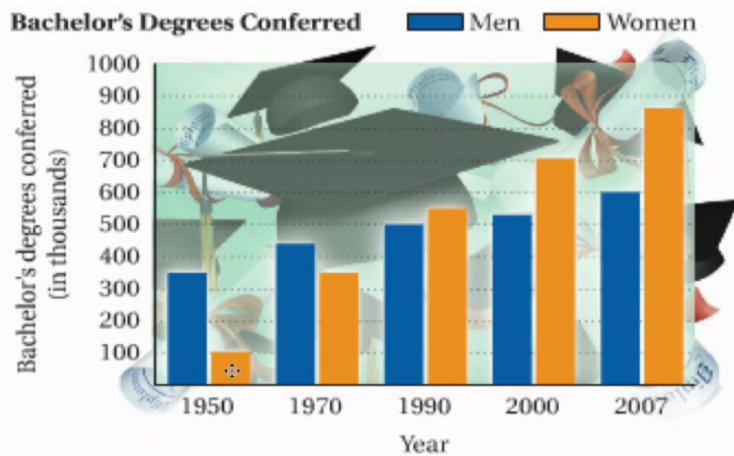
At a relative humidity of 50%, what actual temperatures give an apparent temperature above 100°?

At an actual temperature of 85°, what is the difference in humidities required to raise the apparent temperature from 94° to 108°?



= 12,000 fires

Whats the average number of wildfires over this six year span?



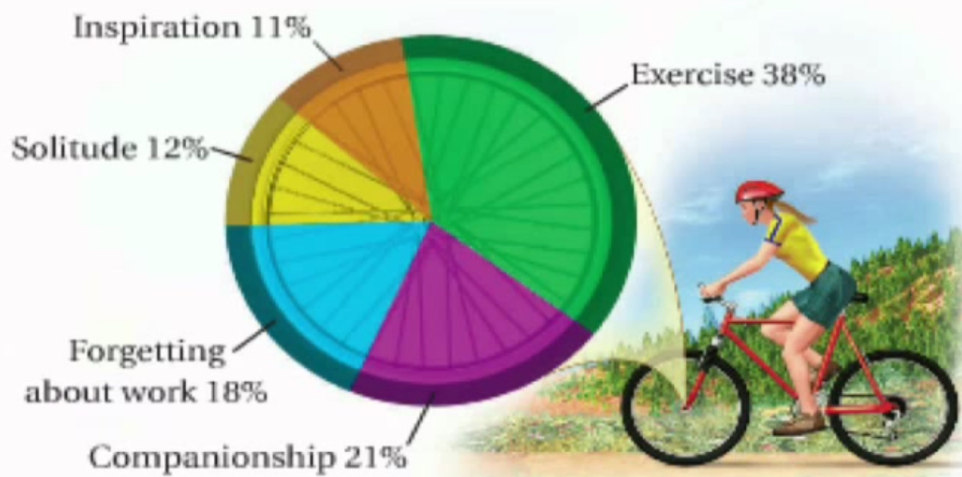
In which years were the numbers of bachelor's degrees conferred on men and on women each greater than 500,000?

How many more bachelor's degrees were conferred on women than on men in 2000?

SOURCE: National Center for Education Statistics, U.S. Department of Education

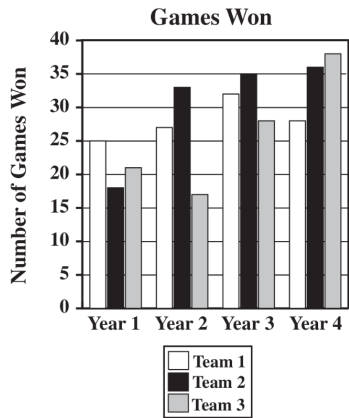
Suppose 1027 people were surveyed.
How many enjoyed the outdoors for each of the given reasons?

Enjoying the Outdoors



SOURCES: *Open Air Magazine*; International Communications Research

44. The number of games won over four years for three teams is shown on the graph below.



Which statement is true based on this information?

- A Team 3 always came in second.
- B Team 1 had the best average overall.
- C Team 1 always won more games than Team 3.
- D Team 2 won more games each year than in the previous year.

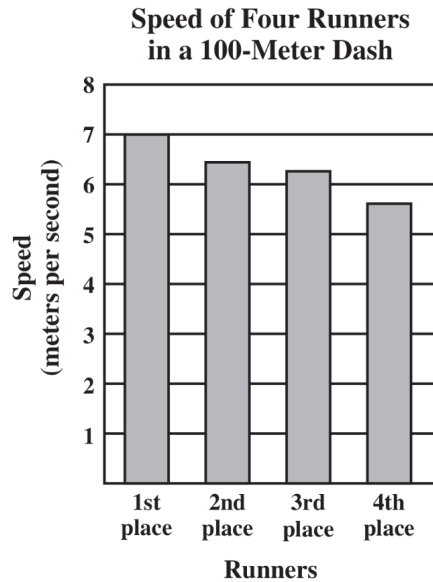
45. The table below shows the number of real estate transactions by type for a city.

Real Estate Transactions

Type of Property Sold	Number of Sales
Single-Family Residence	157
Condo/Townhouse	17
Mobile Home	6
Multi-Family	2
Commercial	15
Land	255
Total	452

Based on the information in the table, which statement is true?

- A More than half of the sales were single-family residences.
- B More sales occurred for land than in all other areas combined.
- C The number of condo/townhouse sales was more than 10% of the total sales.
- D The number of mobile home and multi-family sales combined was twice the number of commercial sales.



Based on the bar graph shown above, which of the following conclusions is true?

- A Everyone ran faster than 6 meters per second.
- B The best possible rate for the 100-meter dash is 5 meters per second.
- C The first-place runner was four times as fast as the fourth-place runner.
- D The second-place and third-place runners were closest in time to one another.

159. The table below shows the flight times from San Francisco (S.F.) to New York (N.Y.).

Leave S.F. Time	Arrive N.Y. Time
8:30 A.M.	4:50 P.M.
12:00 noon	8:25 P.M.
3:30 P.M.	11:40 P.M.
9:45 P.M.	5:50 A.M.

Which flight takes the longest?

- A The flight leaving at 8:30 A.M.
- B The flight leaving at 12:00 noon
- C The flight leaving at 3:30 P.M.
- D The flight leaving at 9:45 P.M.

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- 7) You are ordering dinner at a restaurant. How many ways can you order a meal if you have two choices for a drink (coffee or tea), three main courses to choose from (chicken, beef, or fish) and two desserts (pie or cake) ?
- 9) Television stations in Canada usually have call letters that are 4 letters long and begin with the letter C. If the CRTC made this a law in Canada, then how many television stations could the CRTC license ?
- 11) Some license plates consist of 3 letters followed by 3 numbers. How many different license plates are possible if:
- if there are NO Restrictions
 - if the letters must be DIFFERENT
 - if the letters are different and the first digit can't be 0
- 13) An ice cream parlor features 64 flavors and 20 toppings, in 3 sizes. How many different sundaes can be made ?

- 14) How many EVEN two digit numbers are there ?
- 15) How many EVEN two digit numbers can be made using the digits 1 , 2 , 3, 4, 5, 6, 7, 8 ?
a. Repetitions are not allowed
b. Repetitions are allowed
- 16) How many two digit numbers can be formed using the digits 0 , 2 , 4 , 6 , 8 if:
a. Repetitions are allowed
b. Repetitions are not allowed
- 17) How many ODD four digit numbers can be made from all of the digits, if:
a. Repetition is allowed
b. Repetition is not allowed
- 18) In how many ways can all of the letters of the word PROBLEM be arranged ?
- 19) In how many ways can all of the letters of the word PROBLEM be arranged if the arrangement must start with a consonant and end in a vowel ?
- 20) How many ways can the letters in the word PENCIL be arranged?
- 21) If there are four different types of cookies, how many ways can you eat all of them?
- 22) If three albums are placed in a multi-disc stereo, how many ways can the albums be played?
- 23) How many ways can you order the letters in KEYBOARD if K and Y must always be kept together?
- 24) How many ways can the letters in OBTUSE be ordered if all the vowels must be kept together?
- 25) How many ways can 4 rock, 5 pop, & 6 classical albums be ordered if all albums of the same genre must be kept together?

HW: MC 4,10,20