

STATISTICS AND PROBABILITY

MATHEMATIC FOR 1º ESO STUDENTS

1. LEARNING OUTCOMES

- Identify concepts of statistics and probability

2. SUBJECT CONTENTS

- Statistics: Statistical variables, population and sample, frequency, statistical graphs, statistical parameters.

- Probability: Random events, probability of an event.

3. LANGUAGE CONTENT

- Vocabulary

Nouns: mode, pie graph, mean, population, case, range, frequency, origin, median, sample, coin, dice, value, chart, event, set, statistical study, data, statistics, bar graph, variable, degree, percentage, survey, set of data.

Adjectives: random, impossible, unlikely, quantitative, qualitative, improbable.

Verbs: rolling a die, tossing a coin, depend on, appear, add, divide, collect

- Structures:

Comparative: more often, smaller, larger

Superlative: the smallest, the largest.

4. COGNITIVE PROCESSES

Understand, analyze, search, solve

5. TASKS

1. Read carefully all the given definitions or clues
2. Search for information on the student book.
3. Fill in gaps or find hidden words

Name:

Date:

STATISTICS WORD SEARCH PUZZLE WITH CLUES

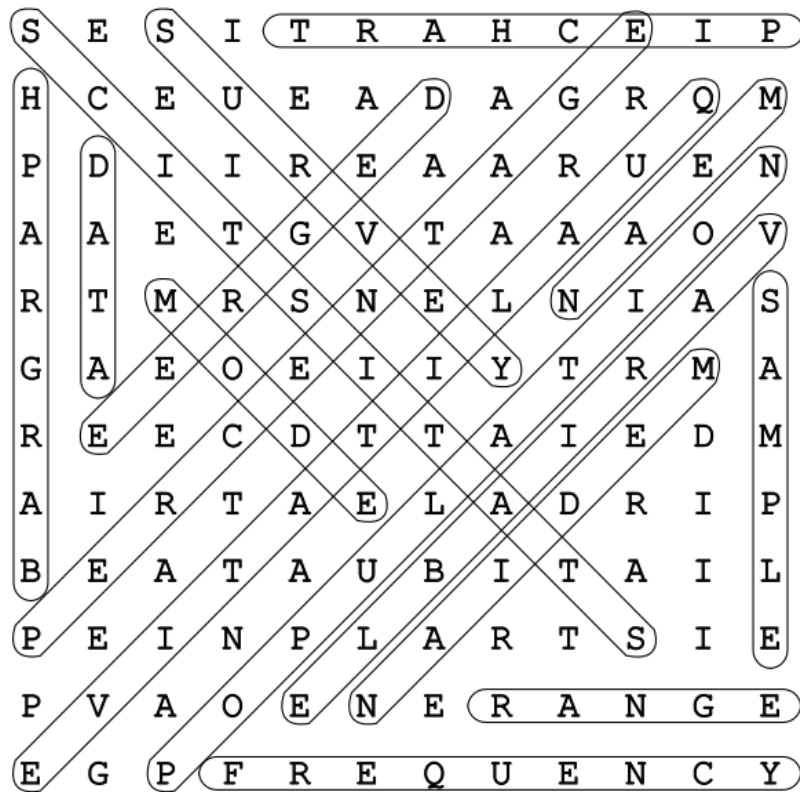
Read the sentences below that are clues to find out different words related to Statistics. Then circle all of them hidden in the letter grid. Words may be forwards, backwards, horizontal, vertical or diagonal.



S	E	S	I	T	R	A	H	C	E	I	P
H	C	E	U	E	A	D	A	G	R	Q	M
P	D	I	I	R	E	A	A	R	U	E	N
A	A	E	T	G	V	T	A	A	A	O	V
R	T	M	R	S	N	E	L	N	I	A	S
G	A	E	O	E	I	I	Y	T	R	M	A
R	E	E	C	D	T	T	A	I	E	D	M
A	I	R	T	A	E	L	A	D	R	I	P
B	E	A	T	A	U	B	I	T	A	I	L
P	E	I	N	P	L	A	R	T	S	I	E
P	V	A	O	E	N	E	R	A	N	G	E
E	G	P	F	R	E	Q	U	E	N	C	Y

1. The ----- is the difference between the largest and smallest values.
2. Everything or everyone who is the subject of a statistical study.
3. This type of graph uses rectangles to show the data.
4. A ----- variable doesn't take numerical values.
5. How often each value appears.
6. A circle is made up of 360 of these.
7. Add up all the numbers and then divide by how many numbers there are.
8. It is a set of data collected from the total group under study.
9. It is represented using the sign %.
10. In a ----- someone asks you questions to know your opinion.
11. The ----- is the value that appears more often.
12. This graph is round like a pizza but you can't eat it.
13. The values which have been collected for study.
14. The science that deals with the collection, classification, analysis, and interpretation of data.
15. The middle value in a list of numbers ordered from the smallest to the largest ones.
16. A ----- is any characteristic or quantity that can be studied.

STATISTICS WORD SEARCH PUZZLE SOLUTION



WORD LIST:

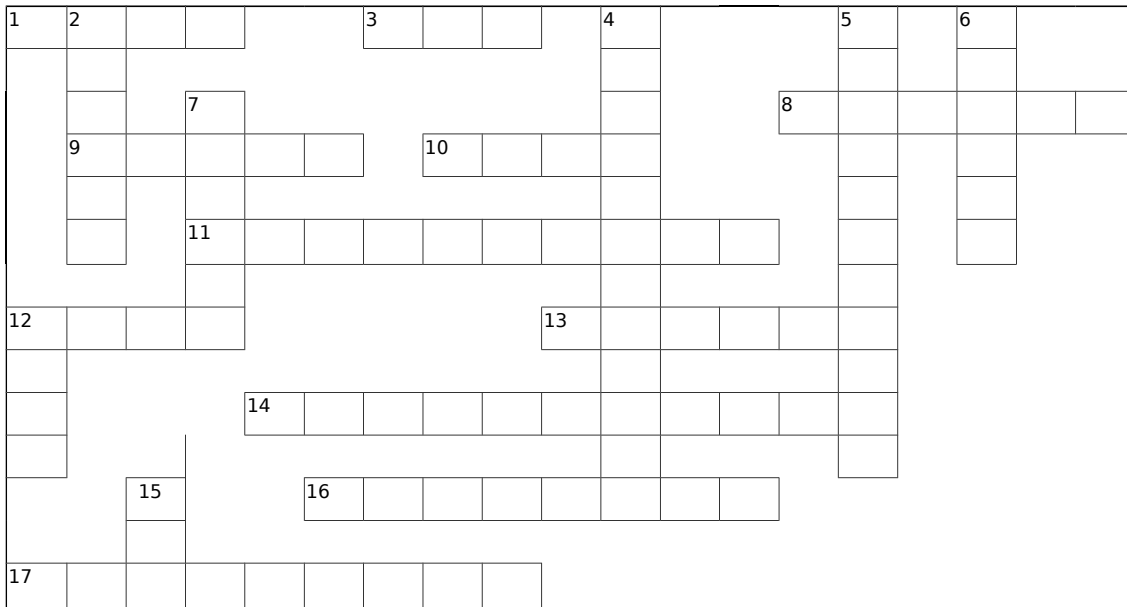
- | | |
|----------------|----------------|
| 1. RANGE | 9. PERCENTAGE |
| 2. POPULATION | 10. SURVEY |
| 3. BAR GRAPH | 11. MODE |
| 4. QUALITATIVE | 12. PIE CHART |
| 5. FREQUENCY | 13. DATA |
| 6. DEGREE | 14. STATISTICS |
| 7. MEAN | 15. MEDIAN |
| 8. SAMPLE | 16. VARIABLE |

Name:

Date:

STATISTICS AND PROBABILITY CROSSWORD

Are you ready for some words about statistics and probability ? Use the definitions given below to complete the crossword puzzle.



ACROSS

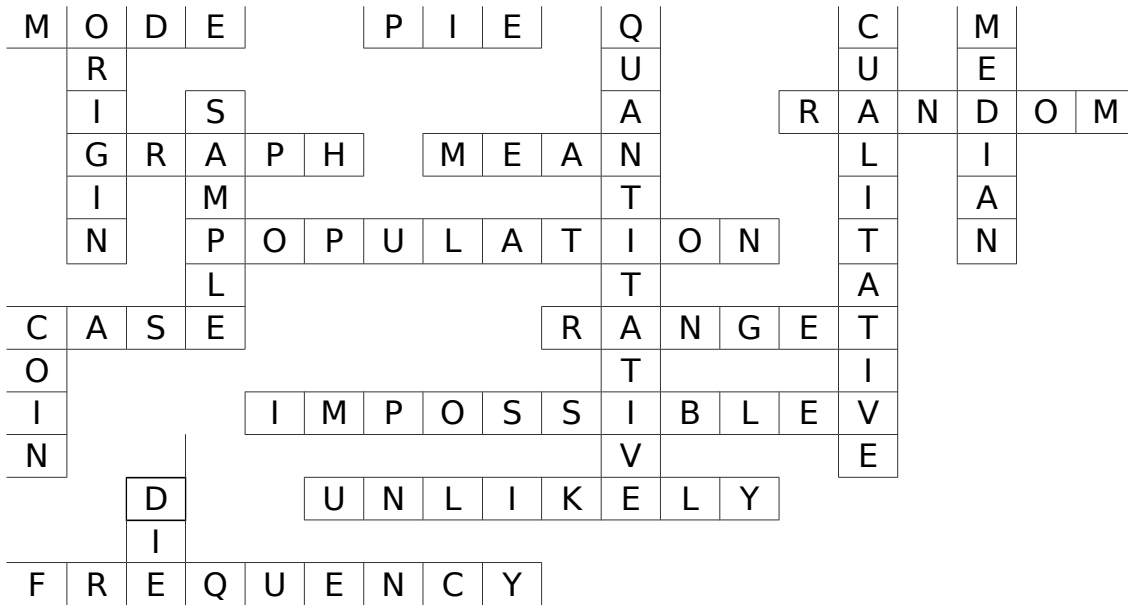
1. The value that appears more often.
3. You can't eat this chart but it is round.
8. An event that depends on chance.
9. It presents information in a visual way
10. Add the values and divide by the number of values.
11. Set of all the elements that are studied
12. Each of the results from a random experience
13. Subtract the smallest value from the largest one.
14. Probability of taking a blue ball from a box with red and yellow balls
16. An event that is improbable to happen
17. How often a value appears in a statistical study.

DOWN

2. Point with coordinates (0,0)
4. Variable that uses number values
5. Variable that doesn't use number values
6. The middle value, in a ordered set of values.
7. Sub-group of the population selected for a statistical study
12. Tossing one, you can obtain face or head
15. Rolling one, you can get up to six different results.

STATISTICS AND PROBABILITY CROSSWORD

SOLUTION



ACROSS

1. MODE
3. PIE
8. RANDOM
9. GRAPH
10. MEAN
11. POPULATION
12. CASE
13. RANGE
14. IMPOSSIBLE
16. UNLIKELY
17. FREQUENCY

DOWN

2. ORIGIN
4. QUANTITATIVE
5. QUALITATIVE
6. MEDIAN
7. SAMPLE
12. COIN
15. DIE