

Statistics with Sour Skittles!

Name:

Date:



List all of the colours of skittles there are in the bag:

-
-
-
-
-

Your teacher thinks that there will be the same amount of each colour skittle in the bag. Prove or disprove their statement using **all** of the following:

1. Tally chart
2. Column/bar graph
3. Pictogram
4. Dot plot

(Rip out grid paper from your maths books to make these graphs. They must be neat. Use colours to make them look extra awesome!)

Range, median, mean/average, mode

Order your colour data-set from lowest to highest.

What is the range of skittles you could get in one colour?

What is the median amount of skittles you could get in one colour?

What is the mean/average amount of skittles you could get in one colour?

What is the mode?

Was your teacher's statement right or wrong? Explain why, using information from your graphs and range/median/mean/mode. (*Statement - Your teacher thinks that there will be the same amount of each colour skittle in the bag*)

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5. Tally chart
6. Column/bar graph
7. Pictogram
8. Dot plot

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What is the mode?

Was your teacher's statement right or wrong? Explain why, using information from your graphs and range/median/mean/mode. (*Statement: Your teacher thinks that there will be the same amount of each colour skittle in the bag*)

Statistics with M&Ms!

Name:

Date:



List all of the colours of M&MS there are in the bag:

-
-
-
-
-

Your teacher thinks that there will be a different amount of each colour M&Ms in the bag. Prove or disprove their statement using **all** of the following:

9. Tally chart
10. Column/bar graph
11. Pictogram
12. Dot plot

(Rip out grid paper from your maths books to make these graphs. They must be neat. Use colours to make them look extra awesome!)

Range, median, mean/average, mode

Order your colour data-set from lowest to highest.

What is the range of M&Ms you could get in one colour?

What is the median amount of M&Ms you could get in one colour?

What is the mean/average amount of M&Ms you could get in one colour?

What is the mode?

Was your teacher's statement right or wrong? Explain why, using information from your graphs and range/median/mean/mode. (*Statement: Your teacher thinks that there will be a different amount of each colour M&Ms in the bag.*)