

Year 5/6 class

In Maths this term we have been looking at statistics and probability. We have been conducting many chance experiments using dice and coins but our favourite chance experiment was using skittles. We were all given a random bag of skittles and we had to work out the fraction amount for each colour. We then had to use our results and present our data using a graph or chart. For some of us this task required us to consolidate our knowledge of decimals and percentages in order to work out each section of the pie graph.

Skittle Jayleisha
PROBABILITY & DATA

COLOUR	NUMBER OF SKITTLES ON THAT COLOUR	NUMBER OF SKITTLES IN TOTAL	FRACTION
PURPLE	5	20	$\frac{5}{20}$
RED	5	20	$\frac{5}{20}$
GREEN	3	20	$\frac{3}{20}$
YELLOW	4	20	$\frac{4}{20}$
ORANGE	5	20	$\frac{5}{20}$

Now turn the data into a column graph!

1. Which colour appeared the most? *Red/Orange*
 2. Which colour appeared the least? *Green*
 3. What is the probability of picking a purple skittle? *1/4*

Skittle Saxon
PROBABILITY & DATA

COLOUR	NUMBER OF SKITTLES ON THAT COLOUR	NUMBER OF SKITTLES IN TOTAL	FRACTION	DECIMAL	PERCENTAGE
PURPLE	4	20	$\frac{4}{20}$	0.2	20%
RED	1	20	$\frac{1}{20}$	0.05	5%
GREEN	4	20	$\frac{4}{20}$	0.2	20%
YELLOW	5	20	$\frac{5}{20}$	0.25	25%
ORANGE	6	20	$\frac{6}{20}$	0.3	30%

Now turn the data into a pie chart!

Colour of Skittles	Number of Skittles
PURPLE	4
RED	1
GREEN	4
YELLOW	5
ORANGE	6

Skittle Caleb
PROBABILITY & DATA

COLOUR	NUMBER OF SKITTLES ON THAT COLOUR	NUMBER OF SKITTLES IN TOTAL	FRACTION	DECIMAL	PERCENTAGE
PURPLE	4	20	$\frac{4}{20}$	0.2	20%
RED	4	20	$\frac{4}{20}$	0.2	20%
GREEN	5	20	$\frac{5}{20}$	0.25	25%
YELLOW	3	20	$\frac{3}{20}$	0.15	15%
ORANGE	4	20	$\frac{4}{20}$	0.2	20%

Now turn the data into a pie chart!

Colour of Skittles	Number of Skittles
PURPLE	4
RED	4
GREEN	5
YELLOW	3
ORANGE	4