

Skittles

Fraction Challenge

Grades 4-5

Use this "Freebie" as a fun way to review some key fraction concepts including fraction of a set and comparing fractional amounts. Students may wish to model some of the answers using manipulatives. Each child will either need a snack sized bag of candies or you could fill a small zipper plastic bag with a small amount. NOTE: My students were fooled by the "What fraction of your Skittles are brown?" I wouldn't give the answer to them—just asked them how many brown ones there are—they got it! There is also a "tie" on page 2 to watch for! 😊

How many Skittles are in the “whole” bag? _____

What fraction of your Skittles are red? _____

What fraction of your Skittles are green? _____

What fraction of your Skittles are yellow? _____

What fraction of your Skittles are orange? _____

What fraction of your Skittles are purple? _____

What fraction of your Skittles are NOT orange? _____

What fraction of your Skittles are brown? _____

What fraction of your Skittles are yellow or orange? _____

Think about a bag of 20 Skittles.

How much would $\frac{1}{2}$ of the bag be? _____

How many Skittles would $\frac{1}{4}$ of the bag be? _____

How many would $\frac{3}{4}$ of the bag be? _____

How many would $\frac{1}{10}$ of the bag be? _____

What if the bag had 24 Skittles...

How much would $\frac{1}{3}$ of the bag be? _____

What about $\frac{5}{8}$? _____

What about $\frac{1}{12}$? _____

What if the bag had 25 Skittles...

How much would $\frac{1}{5}$ of the bag be? _____

What about $\frac{2}{5}$? _____

What about $\frac{3}{5}$? _____



What would be more...

(circle the greater amount)

$\frac{1}{2}$ of a bag of 14 Skittles or $\frac{1}{3}$ of a bag of 18 Skittles?

$\frac{1}{4}$ of a bag of 20 Skittles or $\frac{1}{3}$ of a bag of 18 Skittles?

$\frac{1}{6}$ of a bag of 24 Skittles or $\frac{1}{4}$ of a bag of 16 Skittles?

$\frac{1}{2}$ of a bag of 30 Skittles or $\frac{2}{3}$ of a bag of 18 Skittles?

$\frac{3}{4}$ of a bag of 16 Skittles or $\frac{2}{3}$ of a bag of 15 Skittles?

$\frac{1}{2}$ of a bag of 90 Skittles or $\frac{4}{5}$ of a bag of 50 Skittles?

$\frac{1}{10}$ of a bag of 100 Skittles or $\frac{1}{7}$ of a bag of 63 Skittles?

Try writing 3 of your own!



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I have taught grades 1, 2, 3, 4, and 6 for the past twenty years and pride myself on my creativity and ability to engage students in meaningful learning. I have my masters in educational leadership and curriculum and look forward to sharing many of my ideas with all of you!!

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