

# PROBABILITY WITH

# STARBURSTS

**Answer the following questions:**

- 1.) Create a histogram.
- 2.) Determine the following probabilities:
  - a.)  $P(\text{Double Red}) = \frac{1}{74} \approx 1.4\%$
  - b.)  $P(\text{Red and Yellow}) = \frac{?}{?} \approx ?\%$
  - c.)  $P(\text{Red and Pink}) = \frac{?}{?} \approx ?\%$
  - d.)  $P(\text{Red and Orange}) = \frac{?}{?} \approx ?\%$
  - e.)  $P(\text{Double Yellow}) = \frac{?}{?} \approx ?\%$
  - f.)  $P(\text{Yellow and Pink}) = \frac{?}{?} \approx ?\%$
  - g.)  $P(\text{Yellow and Orange}) = \frac{?}{?} \approx ?\%$
  - h.)  $P(\text{Double Pink}) = \frac{?}{?} \approx ?\%$
  - i.)  $P(\text{Pink \& Orange}) = \frac{?}{?} \approx ?\%$
  - j.)  $P(\text{Double Orange}) = \frac{?}{?} \approx ?\%$

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## PROBABILITY with CANDY

Goal: We are going to be looking at the probability of getting your favorite flavor (or color) in a 2-pack of Starbursts.

There are 4 flavors: ● herry ● Lemon ● Strawberry ● Orange

**Watch the video below then answer the questions:**

- 1.) How many packs were double red?
- 2.) How many packs were red and yellow?
- 3.) How many packs were red and pink?
- 4.) How many packs were red and orange?
- 5.) How many packs were double yellow?
- 6.) How many packs were yellow and pink?
- 7.) How many packs were yellow and orange?
- 8.) How many packs were double pink?
- 9.) How many packs were pink and orange?
- 10.) How many packs were double orange?

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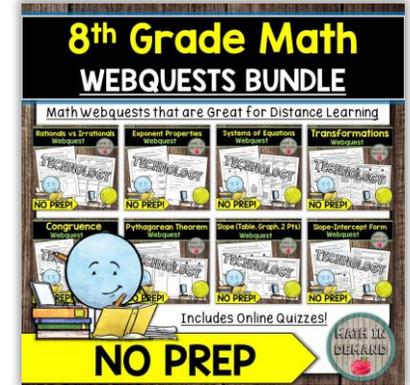
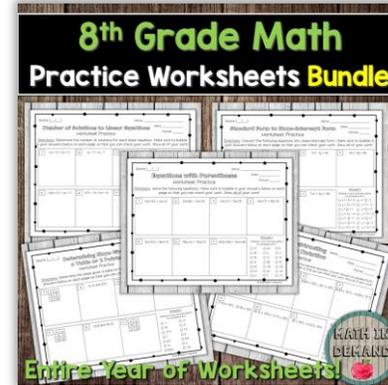
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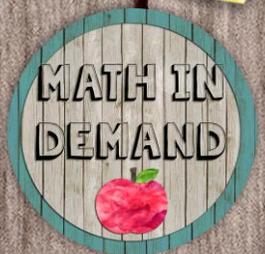
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LOOK!

Questions? Please contact me at [mathindemand@hotmail.com](mailto:mathindemand@hotmail.com).

Thanks so much!!!



# PROBABILITY with



Goal: We are going to be looking at the probability of getting your favorite flavor (or color) in a 2-pack of Starbursts.

There are 4 flavors: herry emon trawberry range

## Watch the video below then answer the questions:



- 1.) How many packs were double red? 1
- 2.) How many packs were red and yellow? 6
- 3.) How many packs were red and pink? 5
- 4.) How many packs were red and orange? 4
- 5.) How many packs were double yellow? 6
- 6.) How many packs were yellow and pink? 4
- 7.) How many packs were yellow and orange? 5
- 8.) How many packs were double pink? 37
- 9.) How many packs were pink and orange? 3
- 10.) How many packs were double orange? 3

# Answer the following questions:

1.) Create a histogram.

2.) Determine the following probabilities:

a.)  $P(\text{Double Red}) = \frac{1}{74} \approx 1.4\%$

b.)  $P(\text{Red and Yellow}) = \frac{6}{74} \approx 8.1\%$

c.)  $P(\text{Red and Pink}) = \frac{5}{74} \approx 6.8\%$

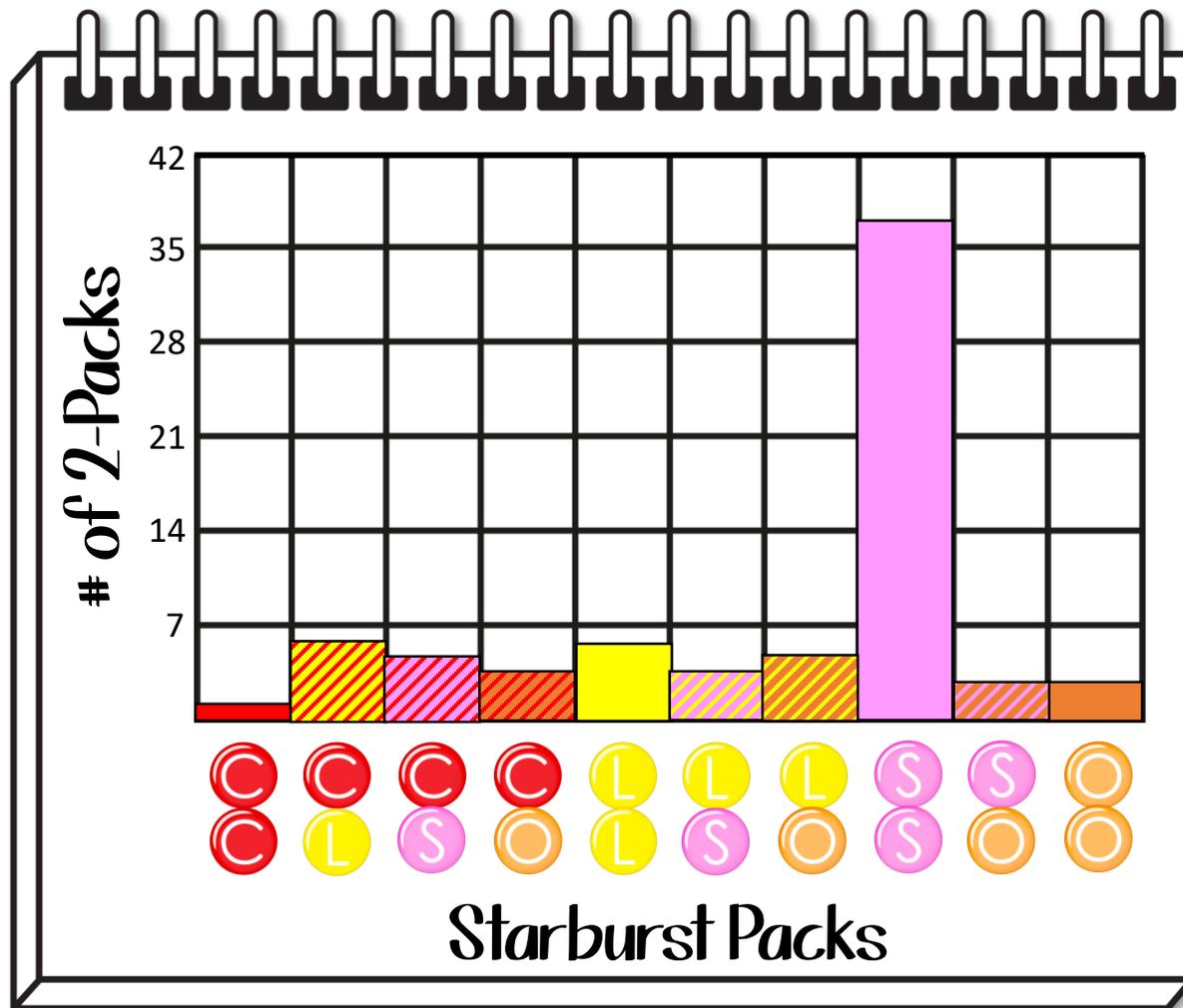
d.)  $P(\text{Red and Orange}) = \frac{4}{74} \approx 5.4\%$

e.)  $P(\text{Double Yellow}) = \frac{6}{74} \approx 8.1\%$

f.)  $P(\text{Yellow and Pink}) = \frac{4}{74} \approx 5.4\%$

g.)  $P(\text{Yellow and Orange}) = \frac{5}{74} \approx 6.8\%$

h.)  $P(\text{Double Pink}) = \frac{37}{74} \approx 50\%$



i.)  $P(\text{Pink \& Orange}) = \frac{3}{74} \approx 4.1\%$

j.)  $P(\text{Double Orange}) = \frac{3}{74} \approx 4.1\%$



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