

Robin D'Agostini
Cold Stone Sundae
Statistics and Probability
3rd/4th grade / Benchmark I
Introduction to organizing information into lists
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COLD STONE SUNDAE

Task Materials:

Paper
Pencil/colored pencils

Task 1:

Miranda is buying a sundae at Cold Stone. She wants one scoop of ice cream and one kind of sauce. Here are the flavors of ice cream and kinds of sauces.

ICE CREAM

Vanilla
Chocolate
Strawberry

SAUCES

Hot fudge
Butterscotch
Caramel

How many different sundae combinations can Miranda order?

Goal: Construct a sheet of paper showing your work by using a chart, table, pictures, or diagram.

Task 2:

Miranda decides to add a topping to her sundae.

TOPPINGS

Sprinkles

Nuts

Coconuts

Now how many sundae combinations can she order?

Task 3:

What are all the different sundaes Miranda could order if Cold Stone also sold pecan ice cream?

Think about and investigate:

Did you discover any patterns when adding the choices to the sundae?

Robin D'Agostini
Dog Play Area
Measurement
3rd/4th grade /Benchmark I
Area/Perimeter
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DOG PLAY AREA

Task Materials:

Graph paper

Ruler

Pencil

Task:

Nicholas has 28 meters of fence and wants to make the largest rectangular area possible for his dog to play in. What length would he make each side of the dog yard?

On the graph paper draw the rectangles that have a perimeter of 28 meters.

What did you discover while investigating the rectangles you drew? What conclusions can the draw?