

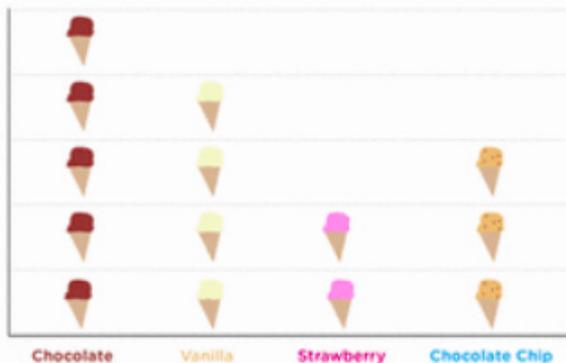


## Students Entering Grade K

Your local ice cream shop has many flavors to try on a hot summer day! A few popular flavors are cookie dough, chocolate brownie, mint chip, and strawberry. If you want to order a two-scoop ice cream cone, what are some possible combinations you could try?

## Students Entering Grade 1

**Favorite Ice Cream Flavors**  
(Each cone = 1 person)



1. How many people like chocolate chip the most?
2. How many people like chocolate the most?
3. How many more people like vanilla than strawberry?
4. What is the most popular ice cream flavor?
5. Make up your own question about the graph.
6. What is your favorite ice cream flavor and why?

## Students Entering Grade 2

Take a trip to your local ice cream shop today, notice the flavors they have available. (If you can't get to an ice cream shop, you could look up an ice cream menu online.)

1. How many flavors are there?
2. Imagine they are sold out of three flavors, how many would they still have?

3. If they added 10 new flavors, how many would they have?
4. If you could create a new ice cream flavor for the shop to sell, what would it be?

## Students Entering Grade 3

An ice cream cone is four inches tall. Each scoop of ice cream is three inches tall.

1. If you get a one-scoop cone, how tall would it be?
2. If you get a three-scoop cone, what is the total height?
3. If you get a five-scoop cone, how tall would it be?
4. If you were REALLY hungry, you could get a 10-scoop cone! What would the total height be?

## Students Entering Grade 4

Estimate the total cost of your family's order today before you pay. How close were you to the actual total? (If you can't get to an ice cream shop, look up an ice cream menu online and create an order.)

## Students Entering Grade 5

Assume each topping container at your local ice cream shop is 3 inches by 5 inches. What would the dimensions of the display case need to be to hold them all? (If you can't get to an ice cream shop, try this problem with 12 possible toppings.)



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## Family Learning Ice Cream Shop, continued

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### Students Entering Grade 6

Visit your local ice cream shop and do some price comparisons.

1. How much would it cost to buy a quart of your favorite flavor?
2. How about if you wanted to buy different flavors so you purchased a quart, but in individual pints?
3. Do they sell ice cream by the cup? How much would it cost to buy a quart, but all in individual cups?

(If you can't get to an ice cream shop, try this problem with your local grocery circular.)

### Students Entering Grade 7

An ice cream cone is four inches tall. Each scoop of ice cream is 3-inches tall.

1. If you get a one-scoop cone, how tall would it be?
2. If you get a three-scoop cone, what is the total height?
3. If you get a five-scoop cone, how tall would it be?
4. If you were REALLY hungry, you could get a 10-scoop cone! What would the total height be?

Write an equation to find the total height no matter what the number of scoops.

### Students Entering Grade 8

Go to your local ice cream shop. Determine what size ice cream is closest to 1 cup and use this price to determine the cost of a gallon and pint of ice cream.

1. If the ice cream shop sells ice cream in 1 gallon tubs or in pints, how much does it charge for these sizes?
2. How do the shop's actual prices compare to your calculations? (1 gallon = 128 ounces; 1 pint = 16 ounces; 1 cup = 8 ounces)

