

Purposeful Design

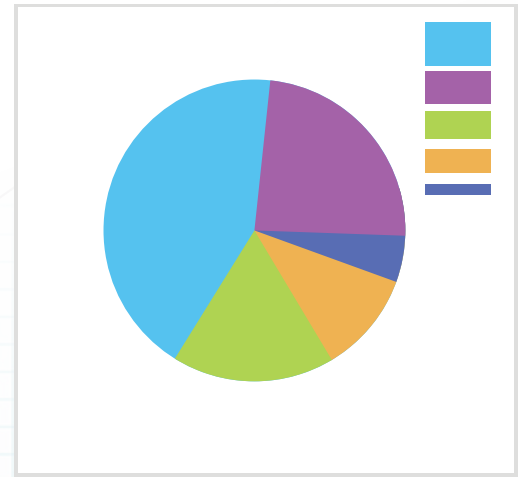
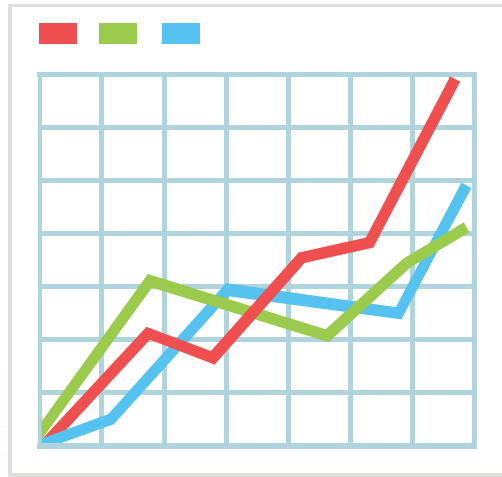
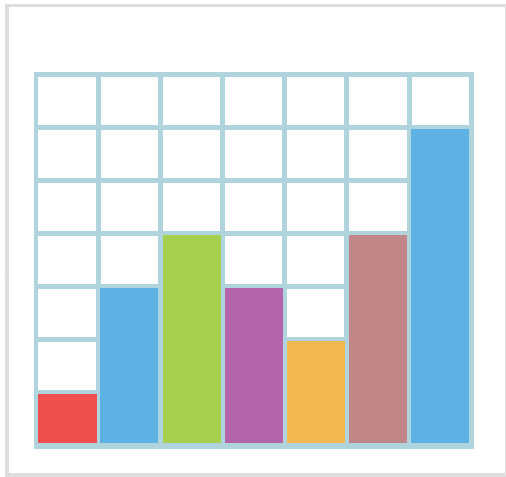
# MATHEMATICS

Grade 1

Second Edition

***Graphs***

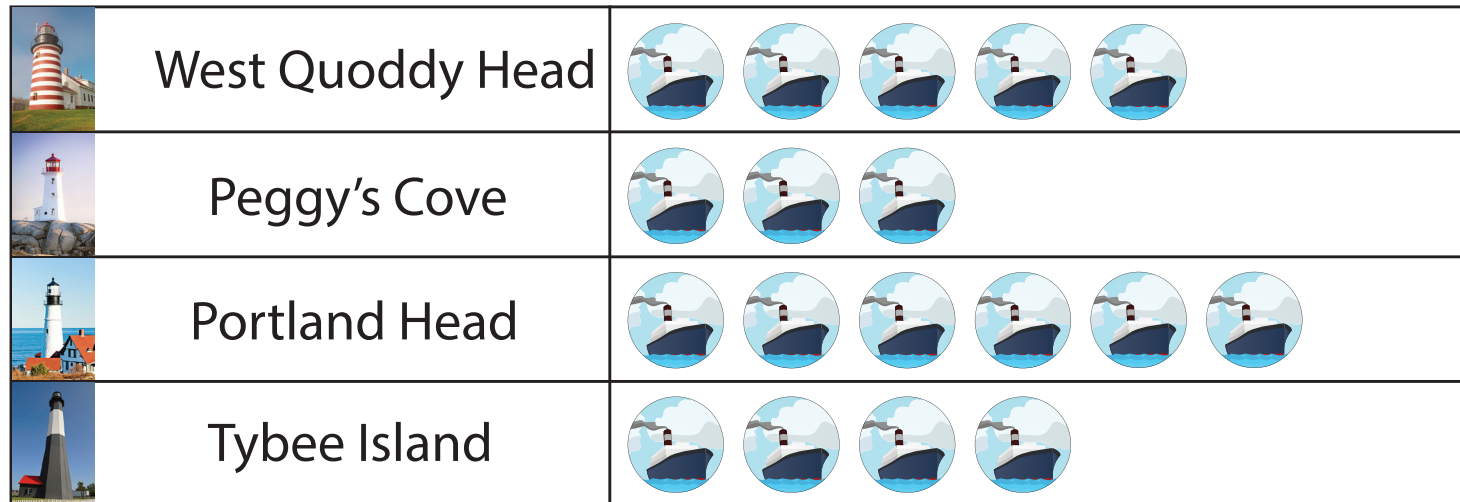
# What is a graph?



A graph is a chart that shows information.

# One kind of graph is a pictograph.

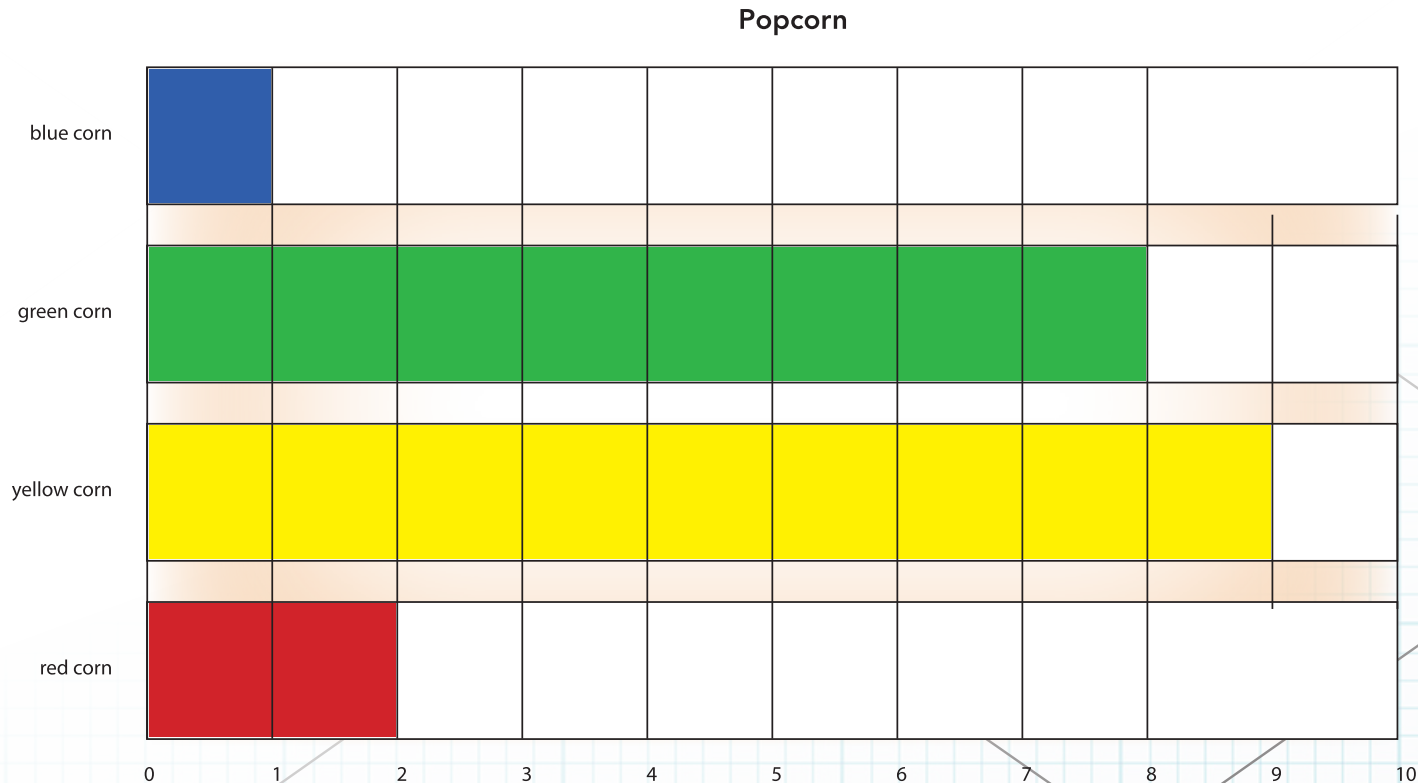
**Ships Served by Lighthouses**



= 2 ships

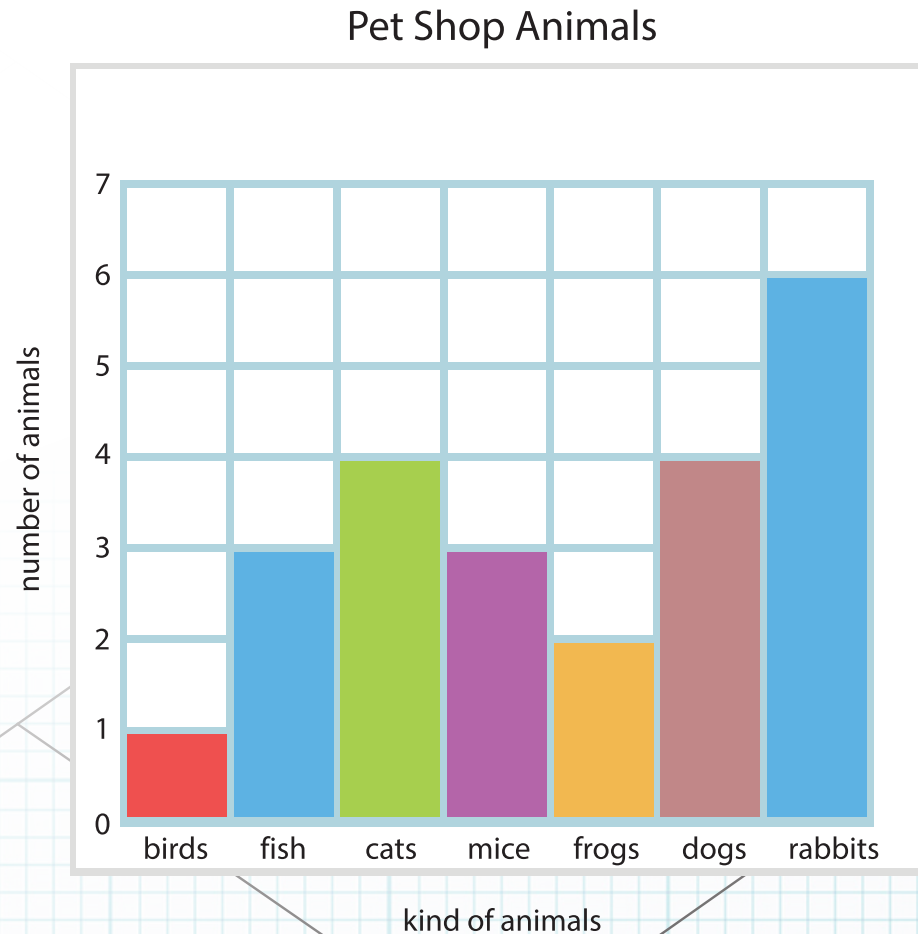
A pictograph uses pictures or symbols to show numbers of real objects

# Another kind of graph is a bar graph.



Bar graphs use colored bars to show numbers or amounts.

Graphs have titles. Look at the title of the graph. What does it show?

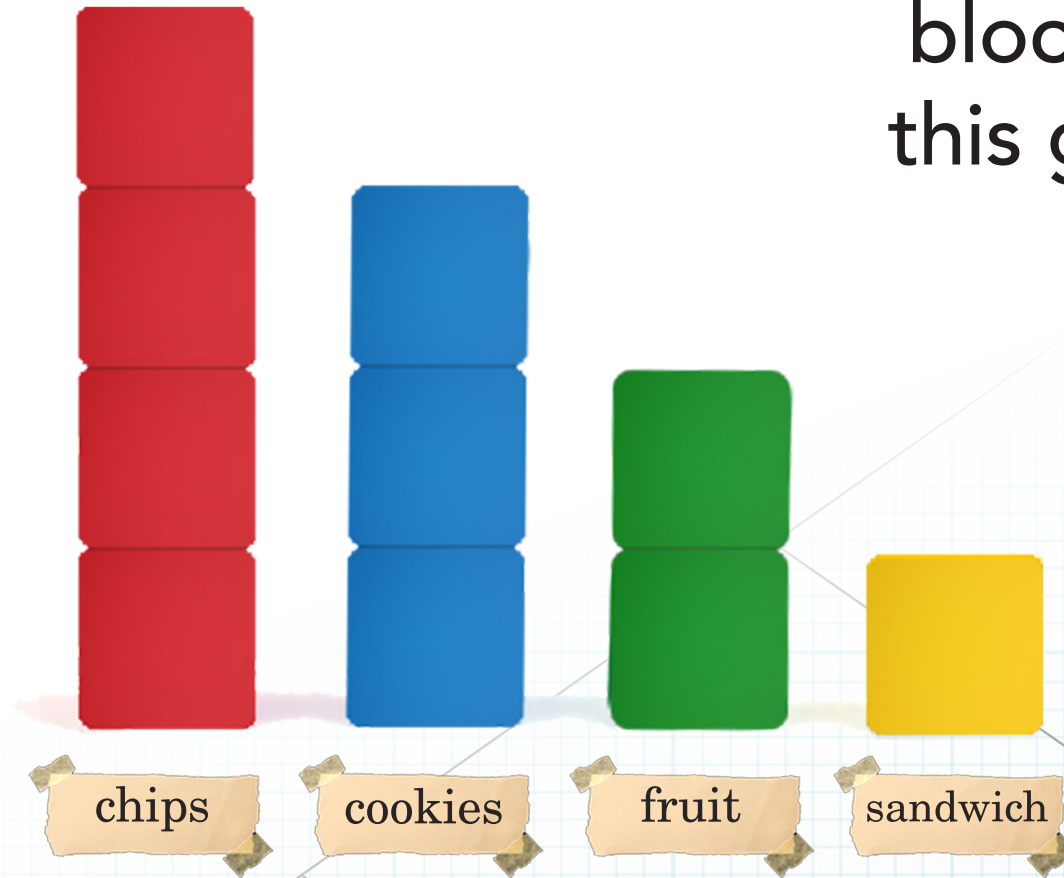






What can you use to make a graph?  
What will your graph show?





A first grader used blocks to make this graph of his lunch.



What does it show?

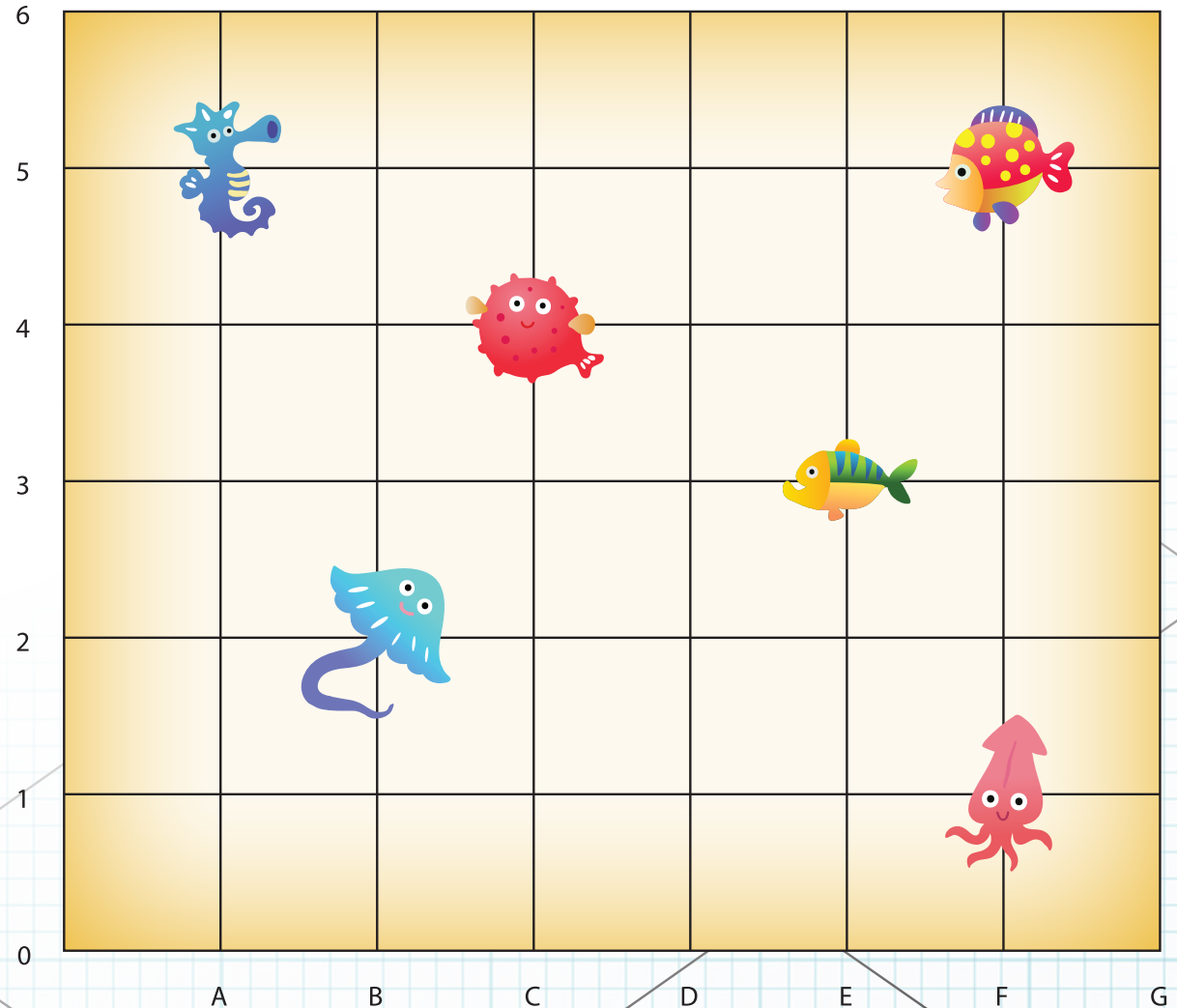
You can use a table to show information.

My Boat

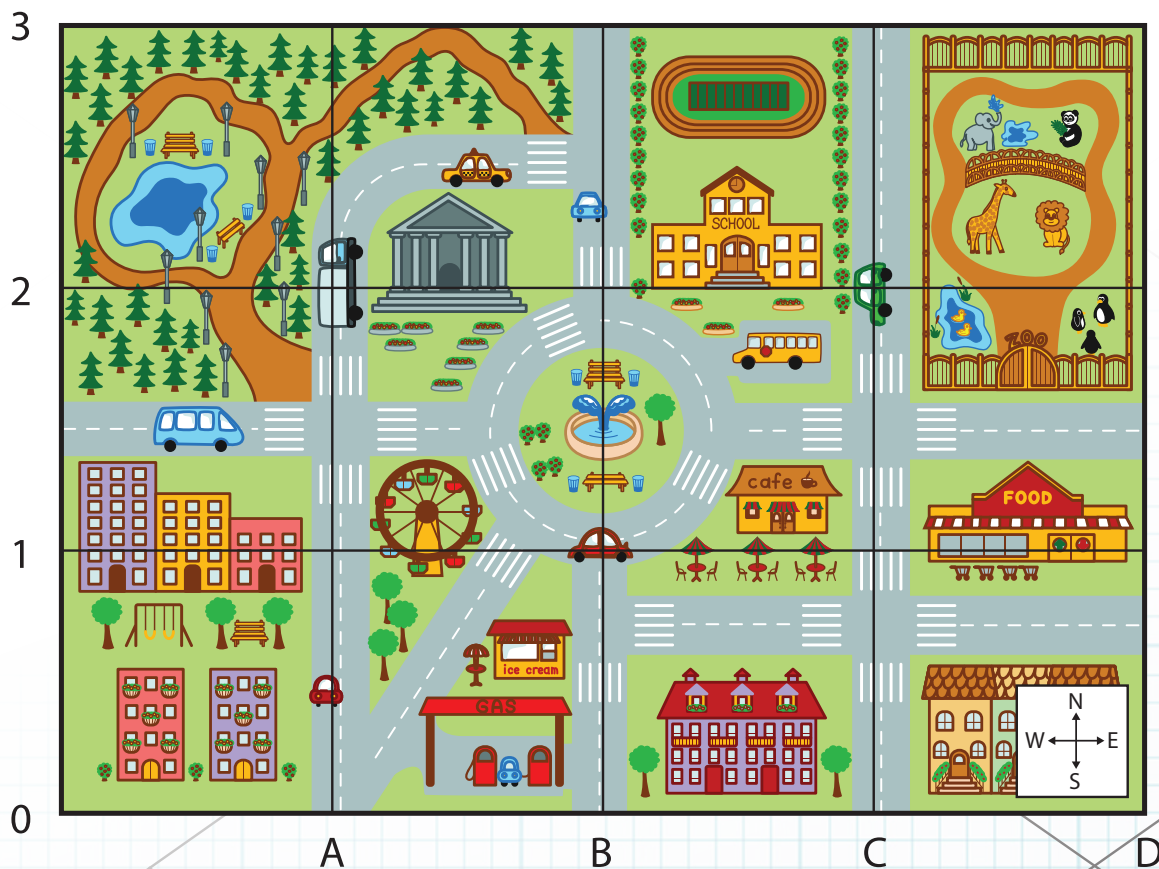
sailors	tallies	number
pennies		5
paper clips		3
beans		11
macaroni		6



Graphs  
may use  
coordinates  
to show  
information.



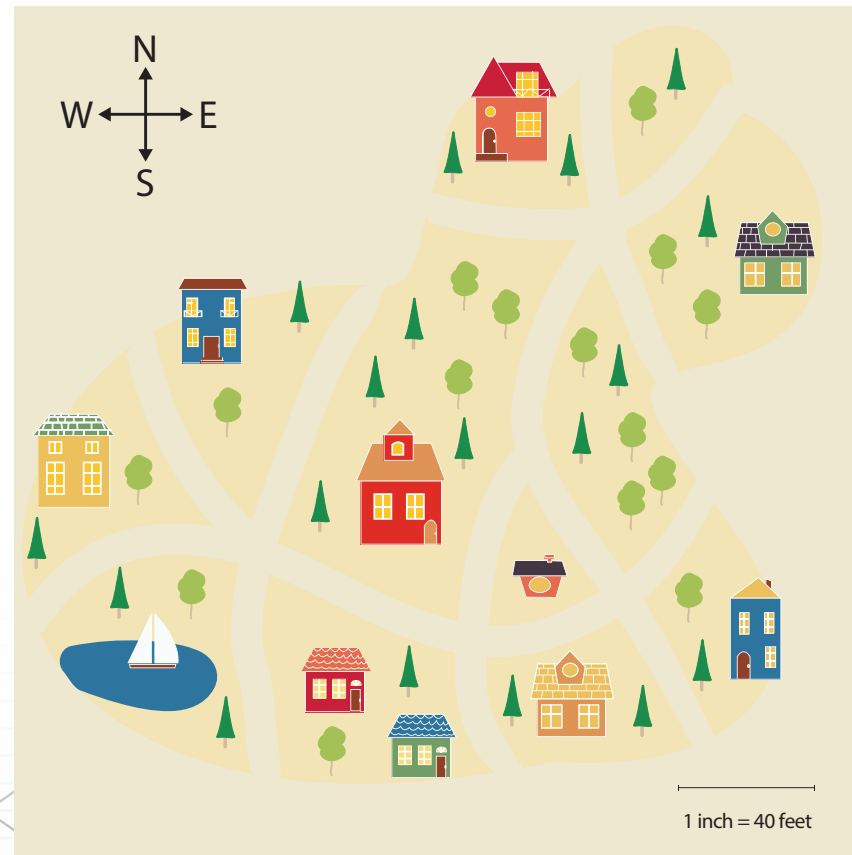
# Some maps use coordinates.



## What picture is at B1? At C2?

# A map can have a compass rose.

Nice Town



# A map can have a scale.