

# 40 Weeks of Math Challenges

## Week 27



These visual math challenges have been created to intrigue and inspire your children. They are designed to be hands on, open-ended inquiries, to challenge them to think deeply about the world around them.

Each week a new set will be released with four levels.

- Preschool
- Years 1/2 (approx. age 6-8)
- Year 3/4 (approx ages 8-10)
- Year 5/6 (approx. ages 10-12)

I hope you enjoy exploring the ideas with your children! The challenges don't require any special resources, however your children will need a 'Math Journal' to record their discoveries. Any notebook will work, but if you can, try to encourage them to use a Grid book.

You are welcome to freely print these cards for your family but please respect our creative copyright and link back to the original file on our web page to share with others. Thanks, Jo

# Graph

Definition:

Is a visual way to show values.

1. Look at the picture, what do you notice?
2. Before we make a graph we have to sort through our data. Can you find something to sort into groups? I sorted my cars into colours.
3. Here are some ideas of things to sort: toys, shells, duplo or lego, mini figures or mini animals. You can sort into colours or size or kind.
4. Put a photo in your journal of something you have sorted.



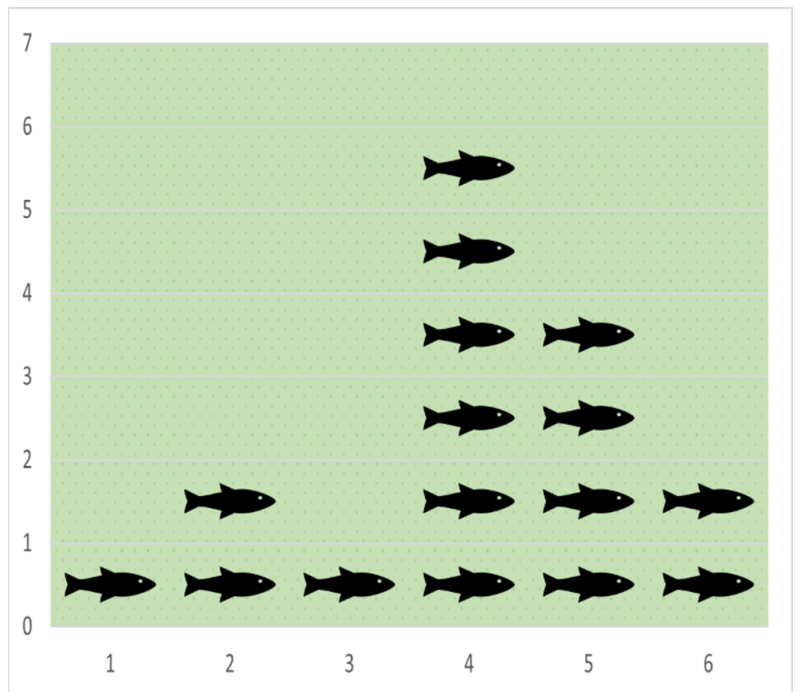
## Challenge 27

# Graph

Definition:

Is a visual way to show values.

1. Look at the picture, what do you notice?
2. Write down all the information that you can find on this graph?
3. Can you think of a label to put at the bottom and side of this graph?
4. Can you think of some good questions to ask about this graph?

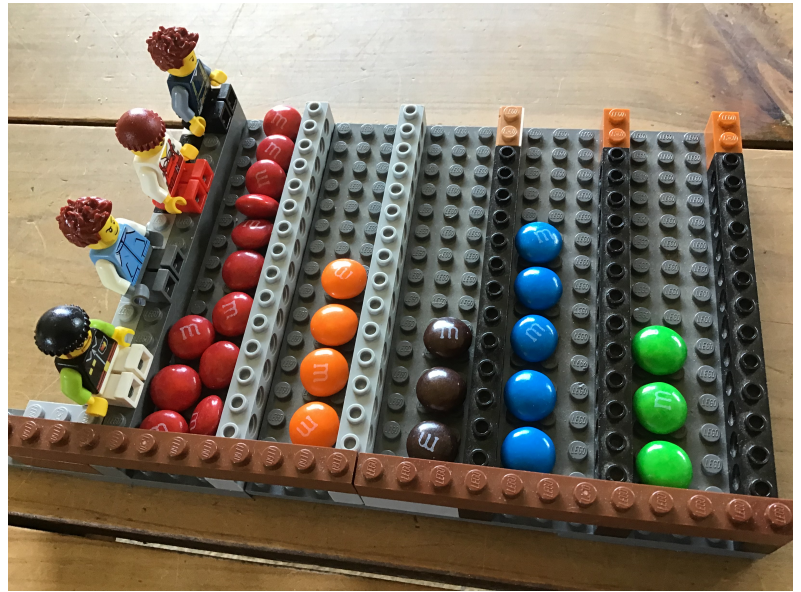


# Graph

Definition:

Is a visual way to show values.

1. Look at the picture, what do you notice?
2. What do you think this graph is showing?
3. Graphs don't always have to look boring. Can you think of other ways to make creative graphs, showing values?
4. Make a creative graph and put a photo in your math journal.



# Graph

Definition:

Is a visual way to show values.

1. Look at the picture, what do you notice?
2. This is called a bar graph. Research the different kinds of graphs. Draw examples in your math journal of all the different kinds of graphs you find.
3. What information does this graph give?
4. Think of some good questions to ask about this graph, write them in your math journal!

