



Name _____

Due back in school on: _____

My class is doing a survey to see if more people use plastic water bottles or reusable water bottles.

Thank you for your answers to these questions.

Person 1 _____

1. What do you use on most days? Check one.

_____ reusable water bottle

_____ plastic water bottle

Number of plastic water bottles used in a day: _____

Why do you use plastic water bottles rather than a reusable water bottle? _____

Person 2 _____

1. What do you use on most days? Check one.

_____ reusable water bottle

_____ plastic water bottle

Number of plastic water bottles used in a day: _____

Why do you use plastic water bottles rather than a reusable water bottle? _____

Person 3 _____

1. What do you use on most days? Check one.

_____ reusable water bottle

_____ plastic water bottle

Number of plastic water bottles used in a day: _____

Why do you use plastic water bottles rather than a reusable water bottle? _____



Name _____

Math in a Bottle

Math Worksheet



Pictograph

1. How many *plastic* water bottles were used in a day? _____
2. How many *reusable* water bottles were used in a day? _____
3. Which type of bottle was used more often? _____

Bar Graph

1. More _____ bottles were used than _____ bottles.
2. Show your work and explain your answer: How many more were used? _____
3. Solve these problems. Show your work.
-If 2 people each use 1 plastic water bottle every day for a week, how many water bottles will be put in the waste stream?

_____ plastic water bottles

-If 2 people each use 1 water bottle every day for a week, how many water bottles will be put in the waste stream? *Tricky Question!*

_____ water bottles

Chart

Complete this chart to show how the number of bottles increases over 8 weeks (two months!) This chart will show the plastic bottles used by Kate if she uses 4 bottles each week for 8 weeks.

-How many plastic bottles will Kate use in 2 months? _____

-If Kate only uses reusable bottles, how many plastic bottles will she use in two months? _____

Another trick question! You are catching on! If more reusable bottles are used then less plastic bottles are added to the waste stream. That's REDUCING and REUSING! That's a good choice!

Bottles Used By Kate in 8 Weeks

Week	Bottles in Each Week	Total
Week 1	4	4
Week 2	4	8
Week 3	4	
Week 4		
Week 5		
Week 6		
Week 7		
Week 8		

