PRIMARY FAMILY MATH NEWSLETTER
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Game:

This PBS Kids Bubblebath game encourages your child to practice estimating and comparing capacities using various containers of their choice.

World Water Day

Super Swimmers: How long can animals hold their breath underwater?

Average Human
1 minute

Harbor Seal
5 minutes

Dolphin
8 minutes

Walrus
10 minutes

World Record Human
22 minutes

Northern Elephant Seal
30 minutes

Alligator
2 hours

What do you notice? What do you wonder? What does it mean to be a World Record holder?
Source: Slow Reveal Graphs

Math Talk

Maya has two glasses of water. She pours one glass of water into the other. Predict: What do you think might happen when Maya does this?

Now, watch the video here to see what happens.

Are you surprised by the result? Can you explain what is going on?
Source: Nrich Maths

Problem Solving

You have 18 liters of water that you need to share equally among your friends. Use drawings to represent, solve, and compare the results of sharing the water among:

2 friends   3 friends   4 friends   6 friends   9 friends

How does the amount of water change, the more people you share your water with?

Good Watch

A Cool Drink of Water - by Barbara Kerley
Here are some possible math questions to support discussion with your child as you watch this story together:

- If there are some cups of water on the table, and you add 3 more cups to make 7 cups altogether, how many cups were on the table to start with?
- If you have 8 cups of water and you give some cups to your friend so that you have 6 cups left, how many cups did you give to your friend?
- If one bucket has 5 cups of water and another bucket has 7 cups of water, which bucket has more water? How many more cups does it have?

STEAM Activity:

People all over the world find clever ways to carry water. If you had to walk long distances every day to get water, how would you carry it? Design and build a new way to carry water. How effective is your design? How might you improve your design?