

**BE PART
OF THE
EQUA+ION**

+Beach Ball Party

The Big Idea:

Kids practice their math facts by tossing a numbered ball and solving quick operations using the digits they catch.

You Will Need:

Add numbers to a ball you already have.

- A lightweight ball
- Masking tape
- Permanent marker

Or purchase a Bedtime Math beach ball here:

<https://bedtimemath.org/ways-to-give/buy-other-fun-stuff/>. We charge only the cost of making the ball and shipping it to you.



The Math behind the Scenes:

Once kids develop a sense of how numbers and quantities work, knowing math facts automatically can help them tackle harder problems with greater ease and confidence.

Design Your Ball:

1. Cut between 9 and 18 small squares of masking tape.
2. Spread the pieces of tape around all sides of the ball.
3. Write one digit from 1-9 on each piece of tape. You can have some or all digits show up twice in total. You can throw in 0s if you want to make 2-digit numbers!

Many Ways to Play:

Toss the ball from one player to the next. The player who catches the ball performs a number challenge with the two digits closest to where their thumbs landed.

Challenges:

- Name the numbers
- Count from the lesser number to the greater one, e.g. 5, 6, 7, 8.
- Compare, e.g. 1 is less than 4
- Add the two numbers
- Subtract the smaller number from the larger
- Multiply the two numbers
- Make a 2-digit number and double it, e.g. 14 doubled is 28.
- Make a fraction and find an equivalent, e.g. $\frac{1}{4} = \frac{2}{8}$.

