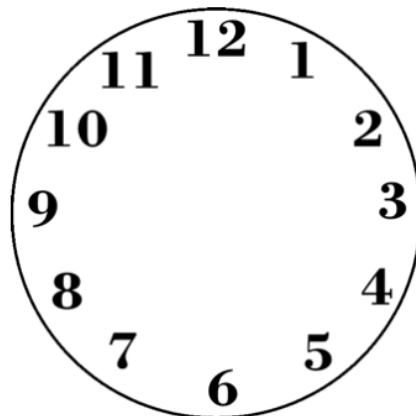


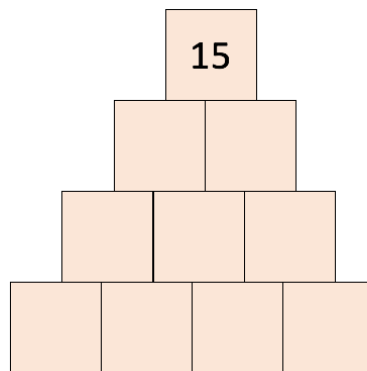
Math Café for Parents: Focusing on the Fundamentals

Here are some puzzles that will bring the fun back to fundamentals:

$$\begin{aligned} \text{🍏} + \text{🍏} + \text{🍌} &= 32 \\ \text{🍌} - \text{🥕} &= 5 \\ \text{🍌} + \text{🥕} &= 19 \\ \text{🍏} + \text{🍌} + \text{🥕} &=? \end{aligned}$$



Draw a straight line to cut the clock face into two parts such that the total of the digits in each part is the same.



Each square is the sum of the 2 squares below it.
Put 4 different numbers on the bottom row so that you get 15 in the top square.

I have fifteen cards numbered 1– 15.

I put down seven of them on the table in a row.



- The numbers on the first two cards add to 15.
- The numbers on the second and third cards add to 20.
- The numbers on the third and fourth cards add to 23.
- The numbers on the fourth and fifth cards add to 16.
- The numbers on the fifth and sixth cards add to 18.
- The numbers on the sixth and seventh cards add to 21.

What are my cards?

Can you find any other solutions?

How do you know you've found *all* the different solutions?

Here are some yohaku puzzles to try. Fill in the blank cells to get the total or product shown in each row/column.

		21
		25
22	24	+

Use 4 consecutive numbers

		84
		24
42	48	×

Sum of 4 cells is 39

			25
			9
			21
21	21	13	+

Use 9 different whole numbers

			48
			40
			357
34	96	210	×

Use 9 different whole numbers.