Math Circles -1

What is math?

1. Draw 3 geometrical objects below

2. Use geometrical objects to sketch a house, a fish, a clown
3. Use sticks to represent this fish:

Move two sticks to make the fish swim from top to bottom, or from right to left.

4. Fish with fins: Use sticks to represent this fish. It swims left to right.

Move two sticks to make it swim from top to bottom.
5. **Homework:** Move three sticks to make it swim from right to left. Sketch your answer below (explain).

6. Look at the house below. Imagine its door facing the sun.

Make its door face the moon by moving one stick.
7. **Homework: Numbers**

Turn a valid sum/subtraction into another by moving one stick at a time.

\[
\begin{align*}
8 - 3 &= 5 \\
9 - 3 &= 6 \\
3 + 3 &= 6
\end{align*}
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