+ Welcome! Use the color stickers and place them on the number line at the front of the room …

Yellow Stickers – Multiples of 2
Blue Stickers – Multiples of 3
Pink Stickers – Multiples of 5
Green Stickers – Multiples of 10

Ashley Hinton
Nataki McClain
April 26, 2018

Walk the (NUMBER) Line

Number Lines

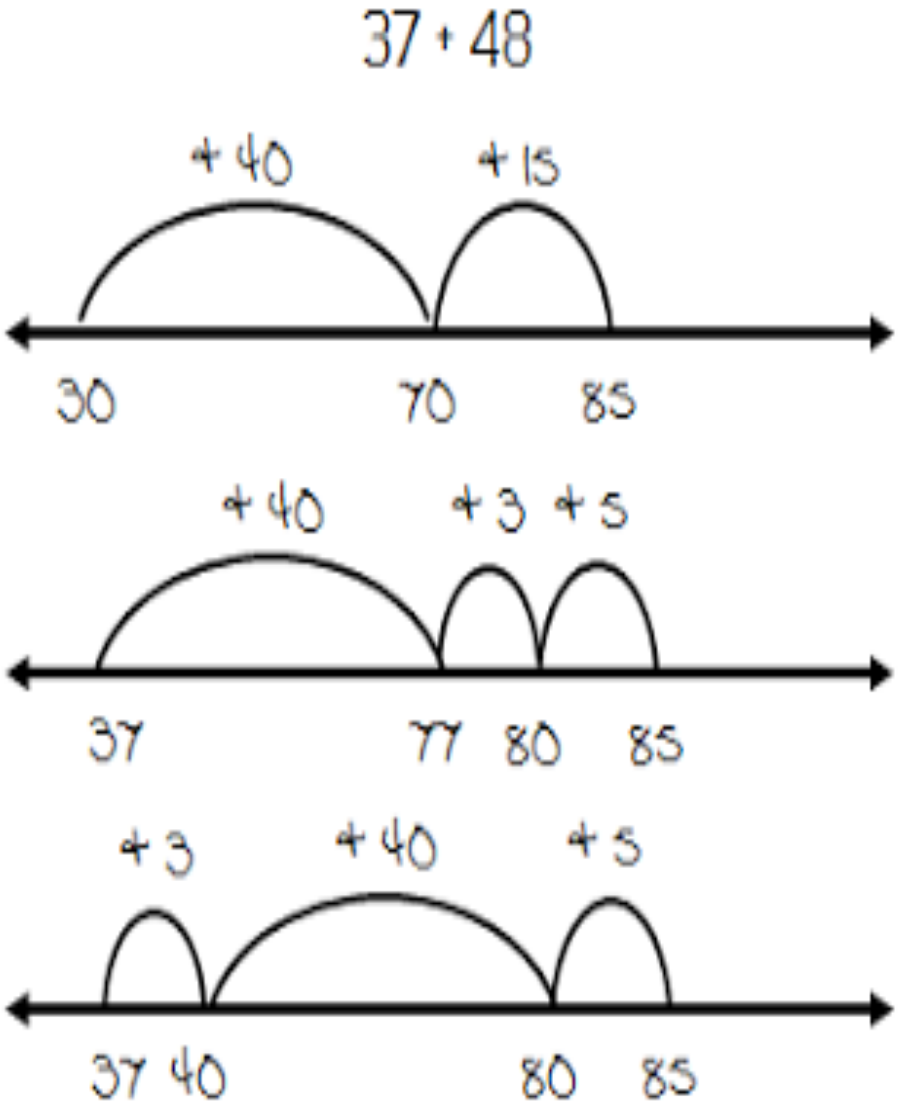
Why Number Lines?

- Easy model to understand
- Students recognize the relative magnitude and position of numbers
- Visualize operations
- Provides kid-appropriate part-whole models

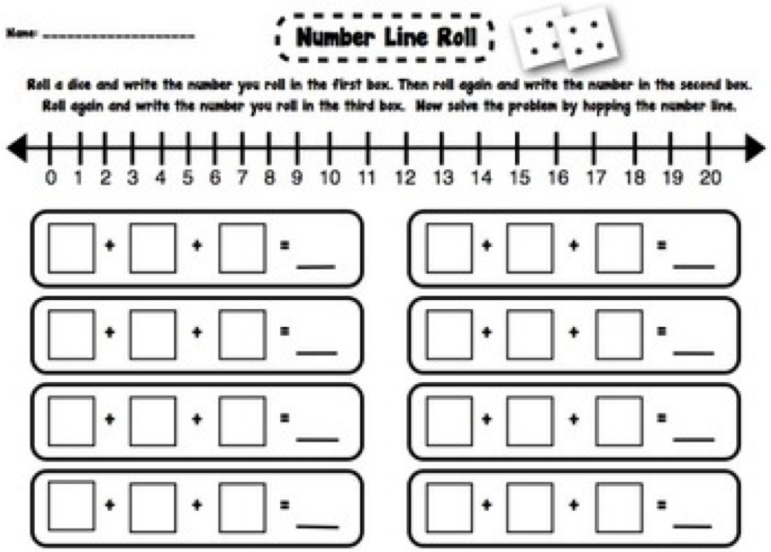
Most importantly…

Flexibility!

The number line differentiates itself!

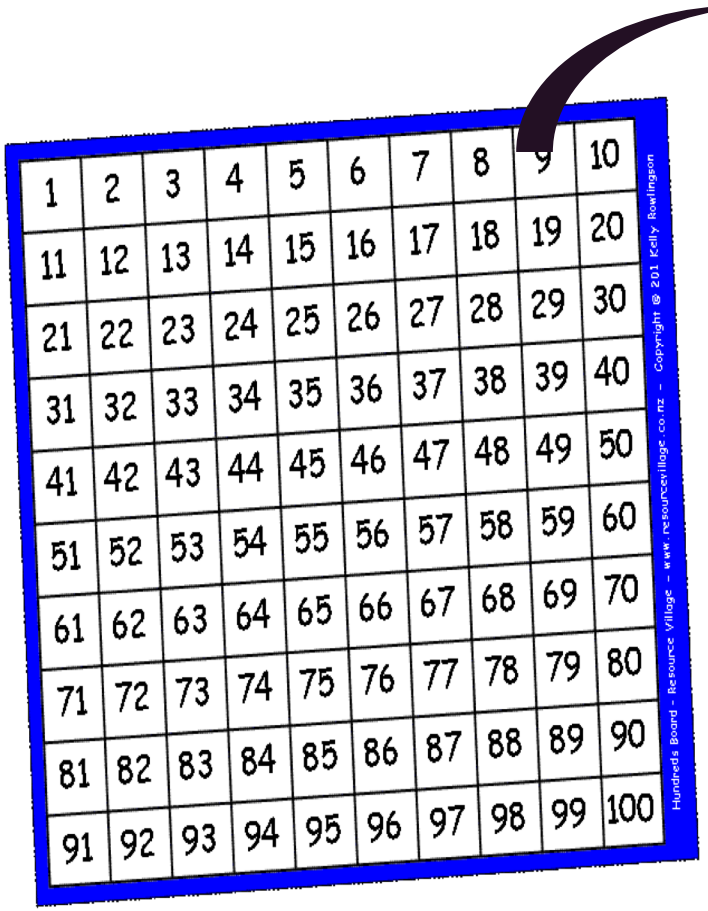


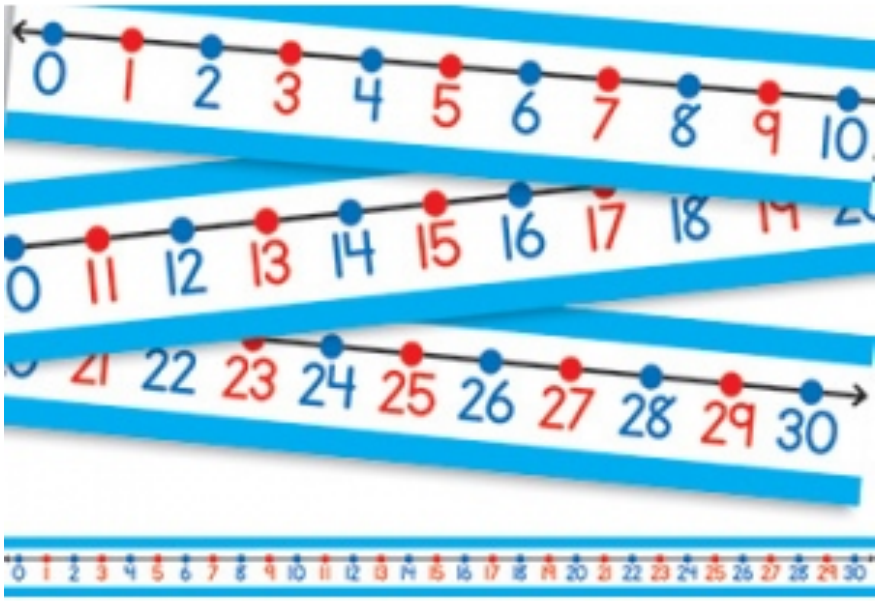
Number Line Roll



- Provide students with number lines when they are working on computation

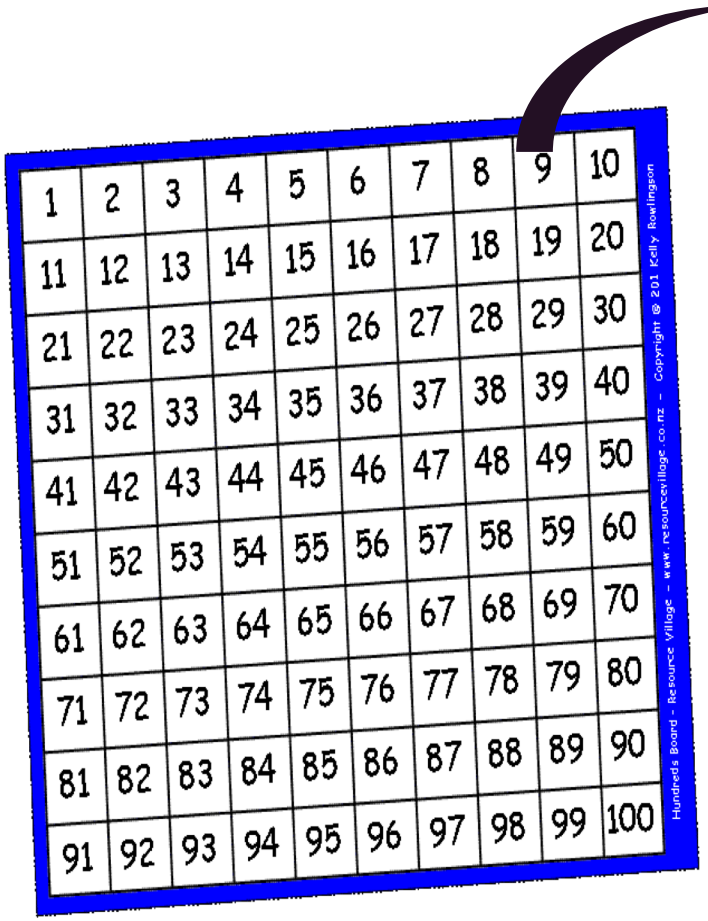
Where am I on the Number Line?

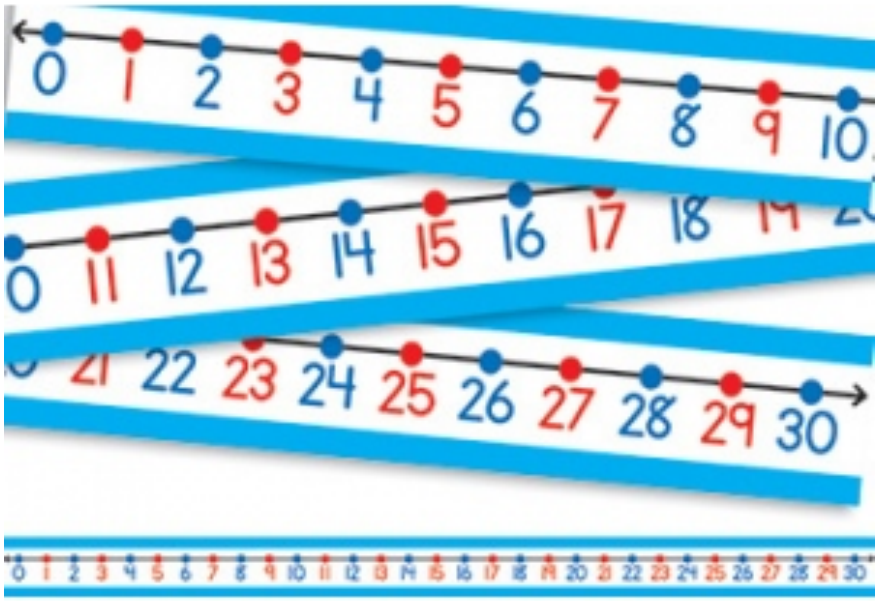


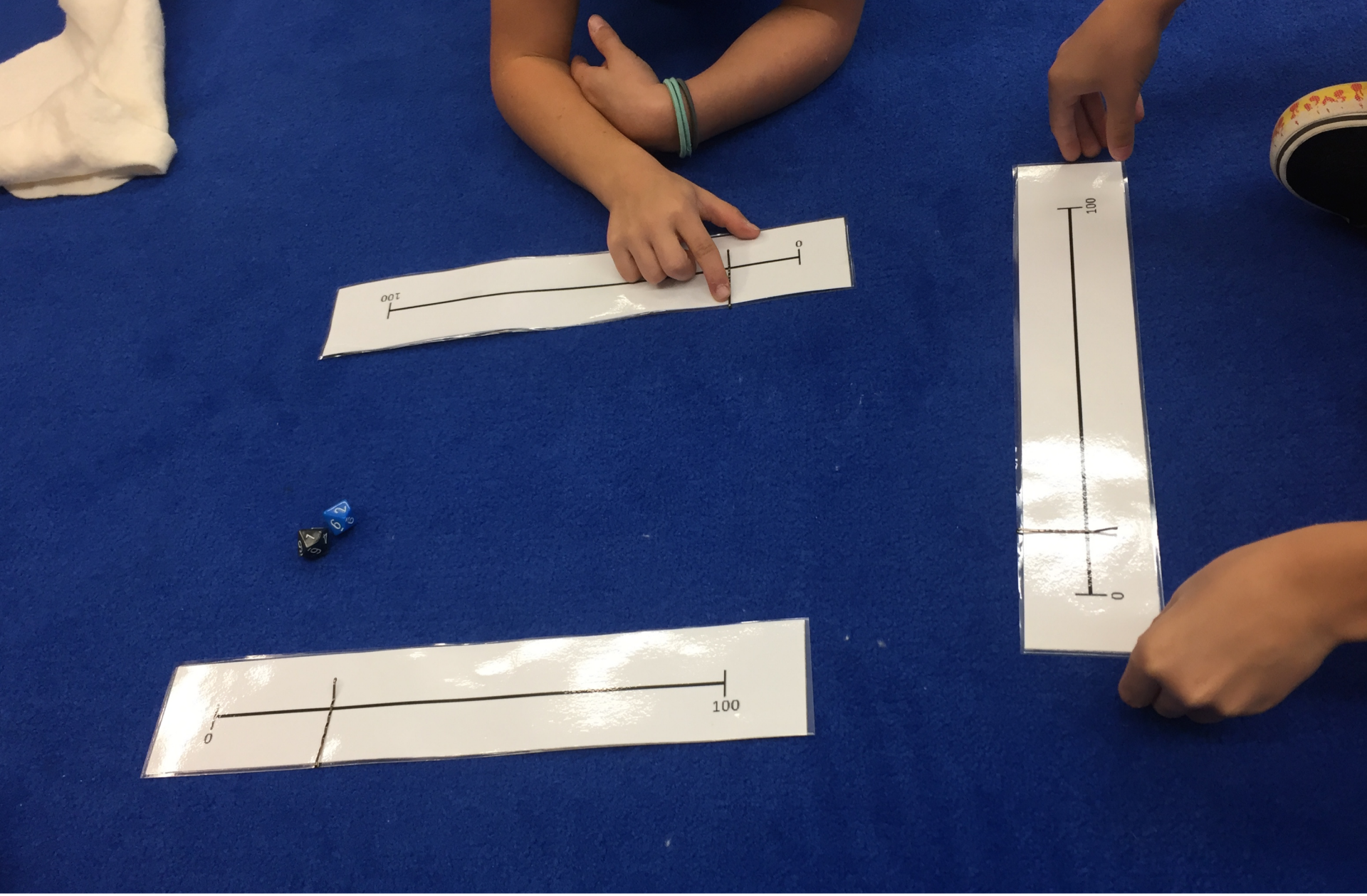


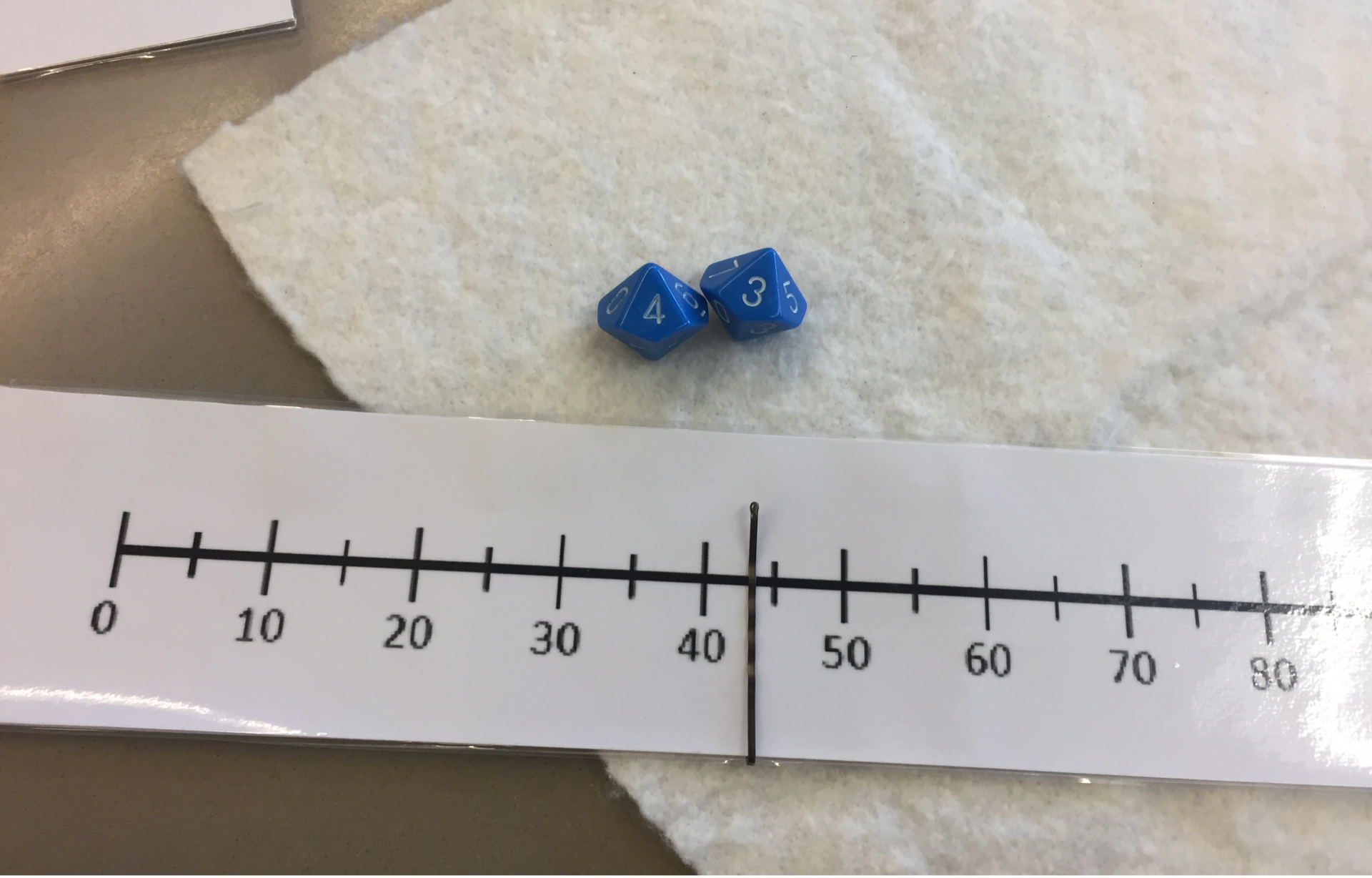
https://www.georgiastandards.org/Georgia-Standards/Frameworks/2nd-Math-Unit-1.pdf

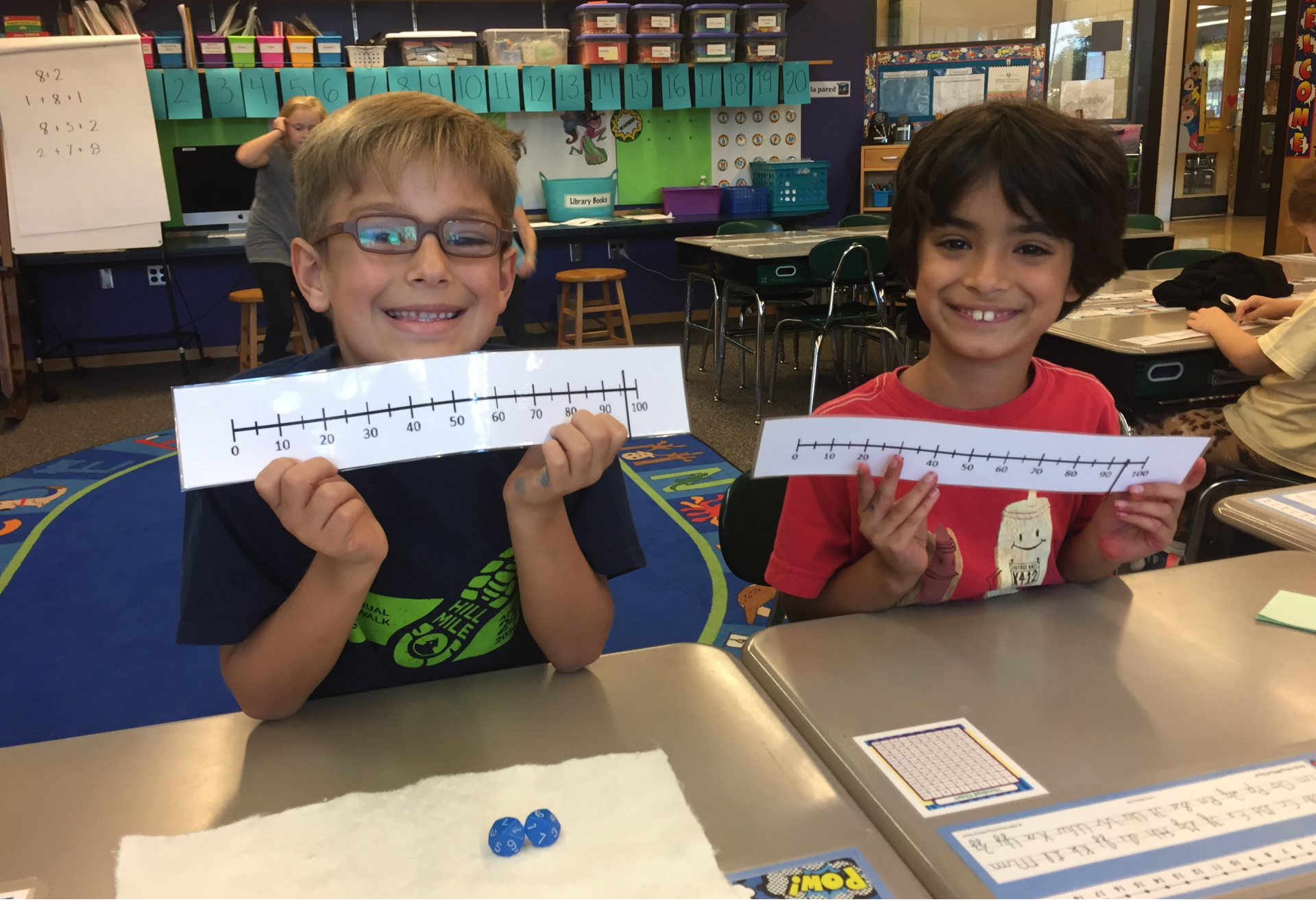
How could you adapt this activity to your own grade level?






0
100
100
0
0
100

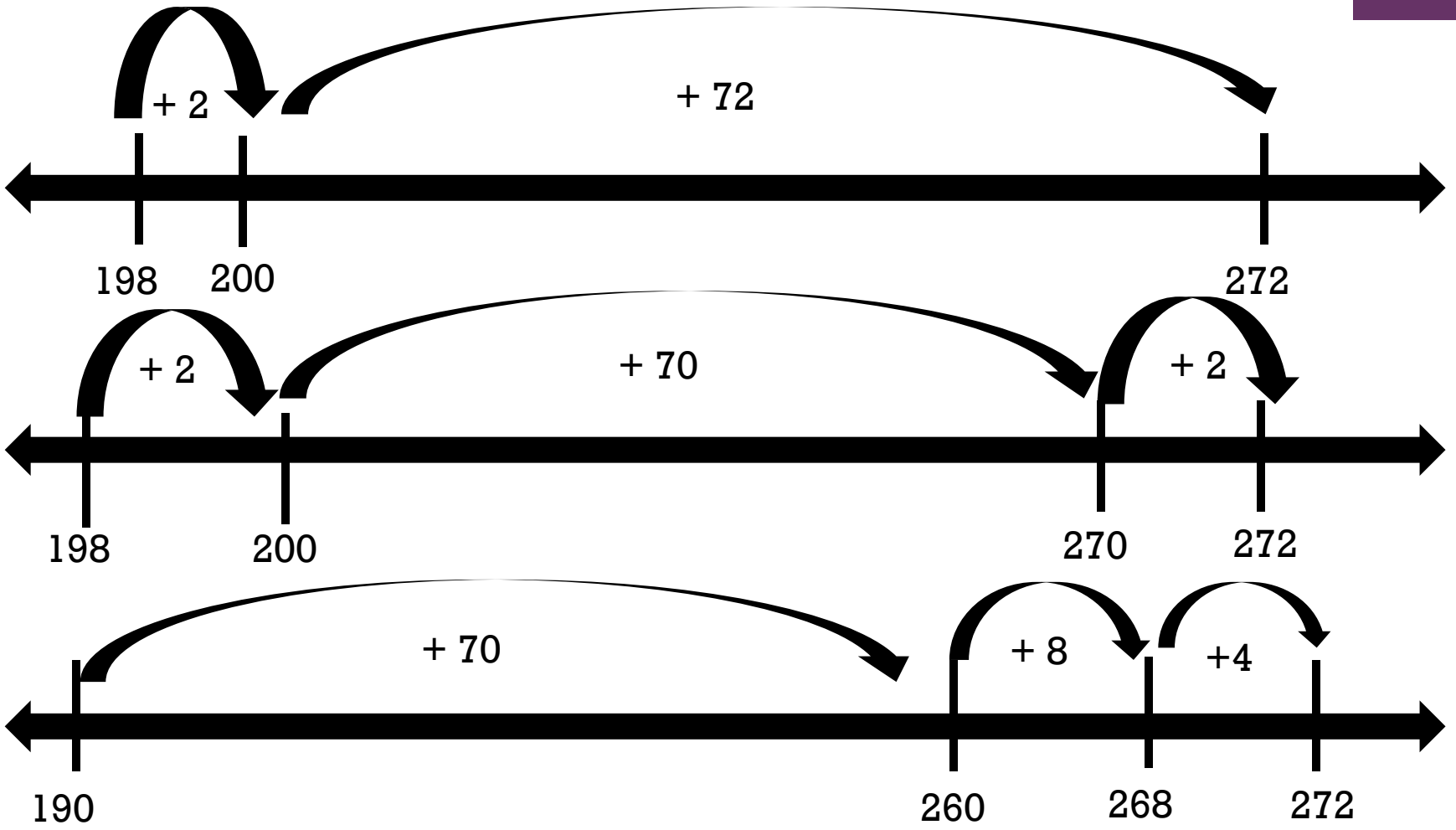

4
3
0
10
20
30
40
50
60
70
80


0 10 20 30 40 50 60 70 80 90 100
0 10 20 40 50 60 70 80 90 100
Library Books

Solve 198 + 74

- Use the tape on your desk as the number line.
- Show your thinking with your dry erase marker.

Differentiated Thinking:
198 + 74



Solve 214 - 178

- Use the tape on your desk as the number line.
- Show your thinking with your dry erase marker.

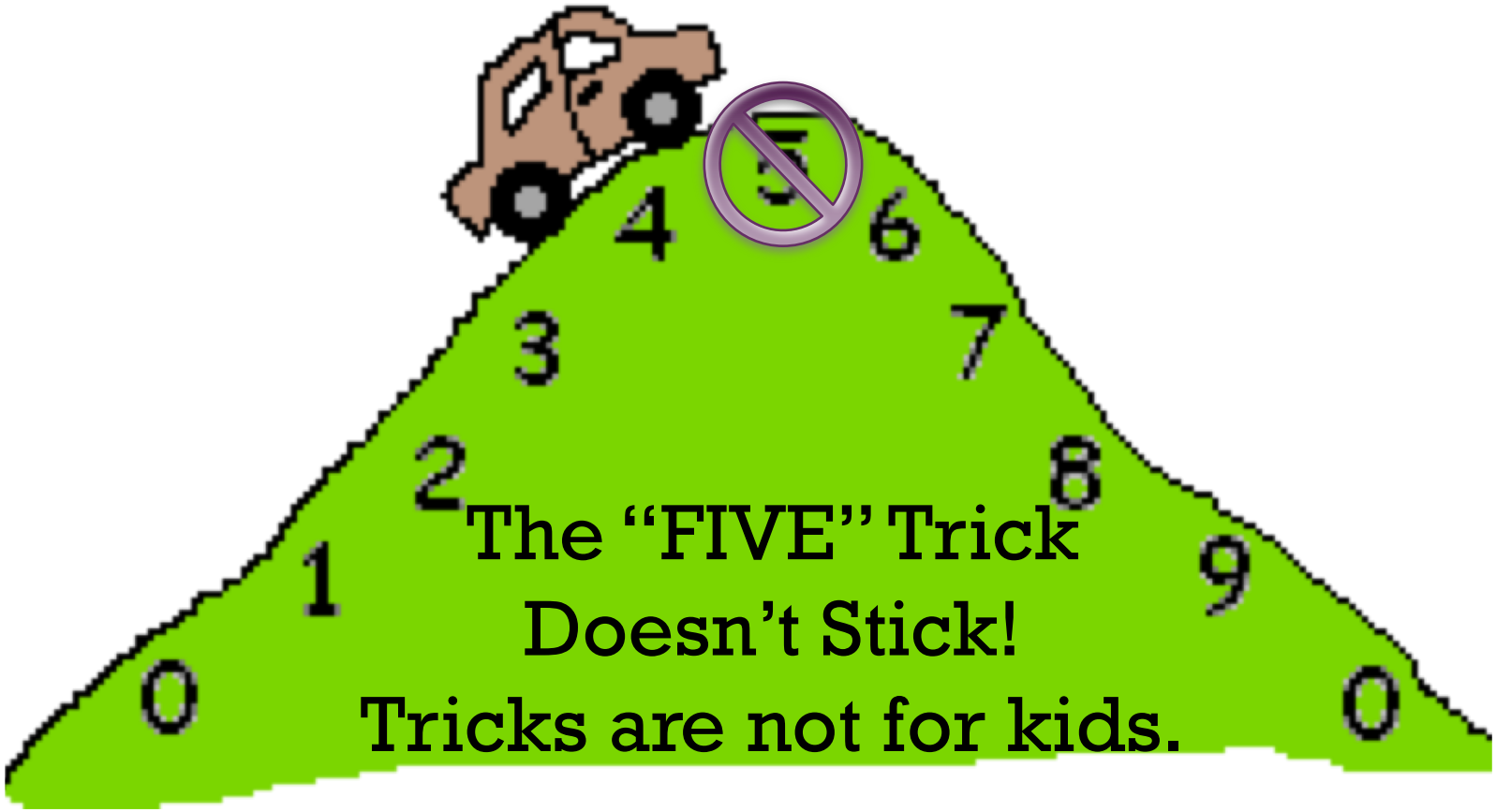
How can you adapt **Computation on a Number Line** to your classroom?

Why Add and Subtract with Number Lines …

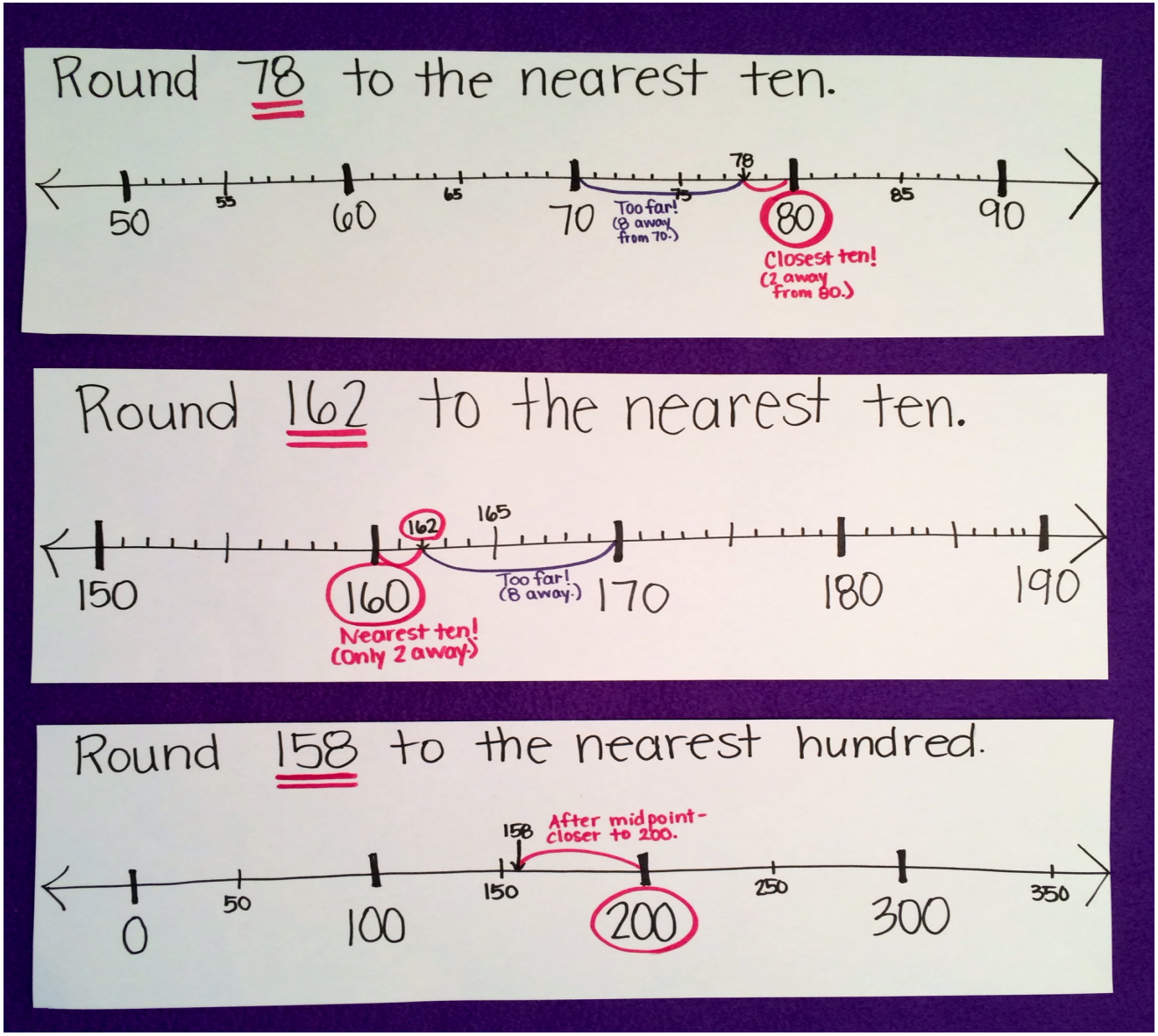
- … To connect these operations with measurement, and also because the counters no longer suffice when we get to fractions, decimals, and negative numbers. Over time, kids will connect number line images with thermometers, clocks, rulers (with fractional inches)… Coordinate graphs are based on perpendicular number lines; even bar graphs require the measurement idea more than the count idea…

http://thinkmath.edc.org/resource/number-line-subtraction-and-measurement

Rounding on a Number Line

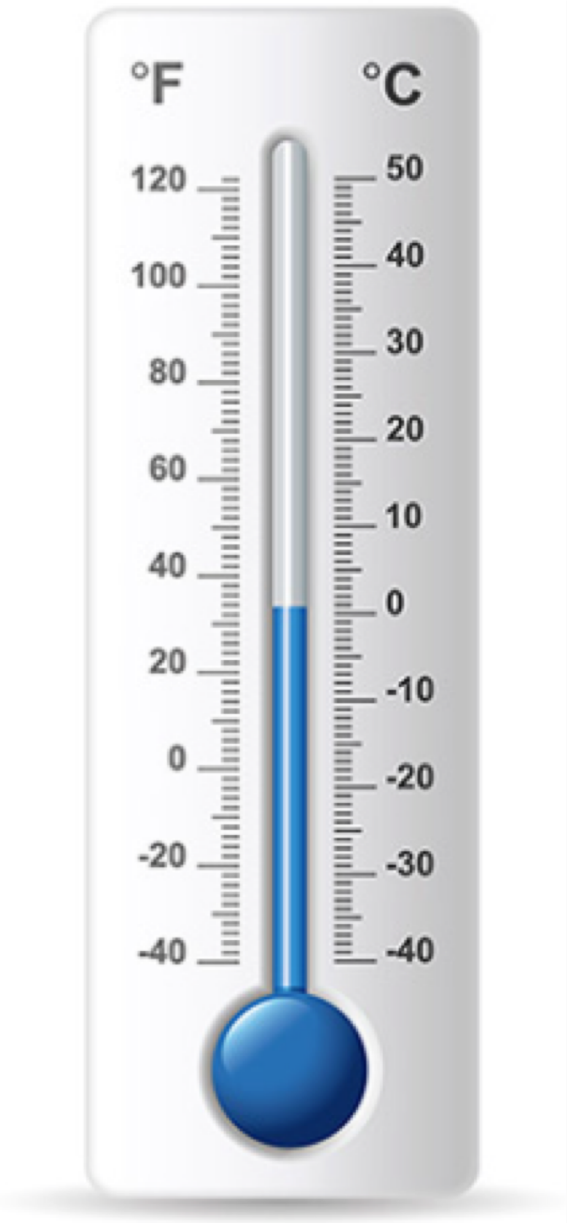


Rounding on a Number Line



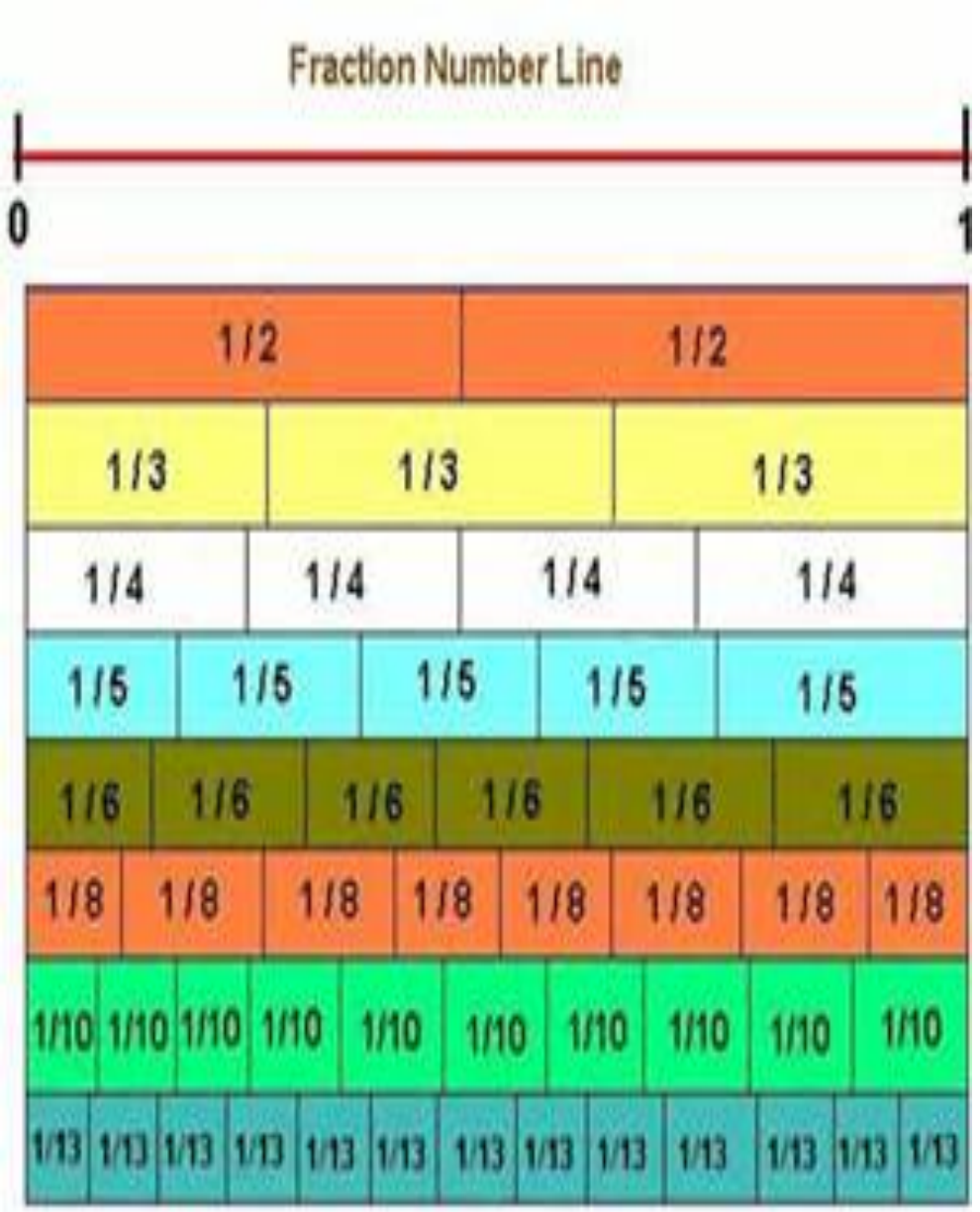
A Thermometer as a Number Line?

Many classrooms use this tool daily… It's an easy connection for students to make with negative numbers.



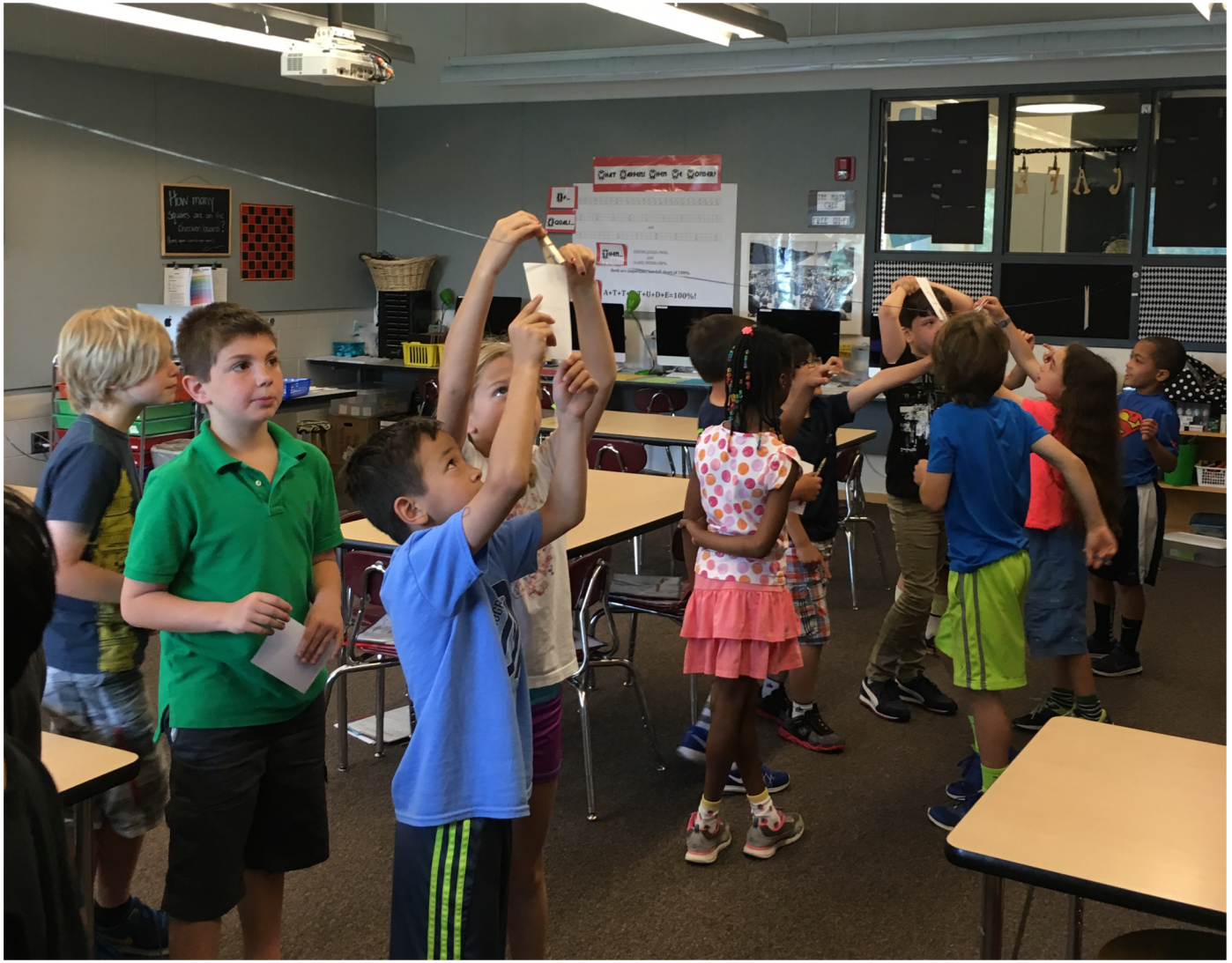
Fractions on a Number Line

Students need to learn to *locate* a fraction on a number line.

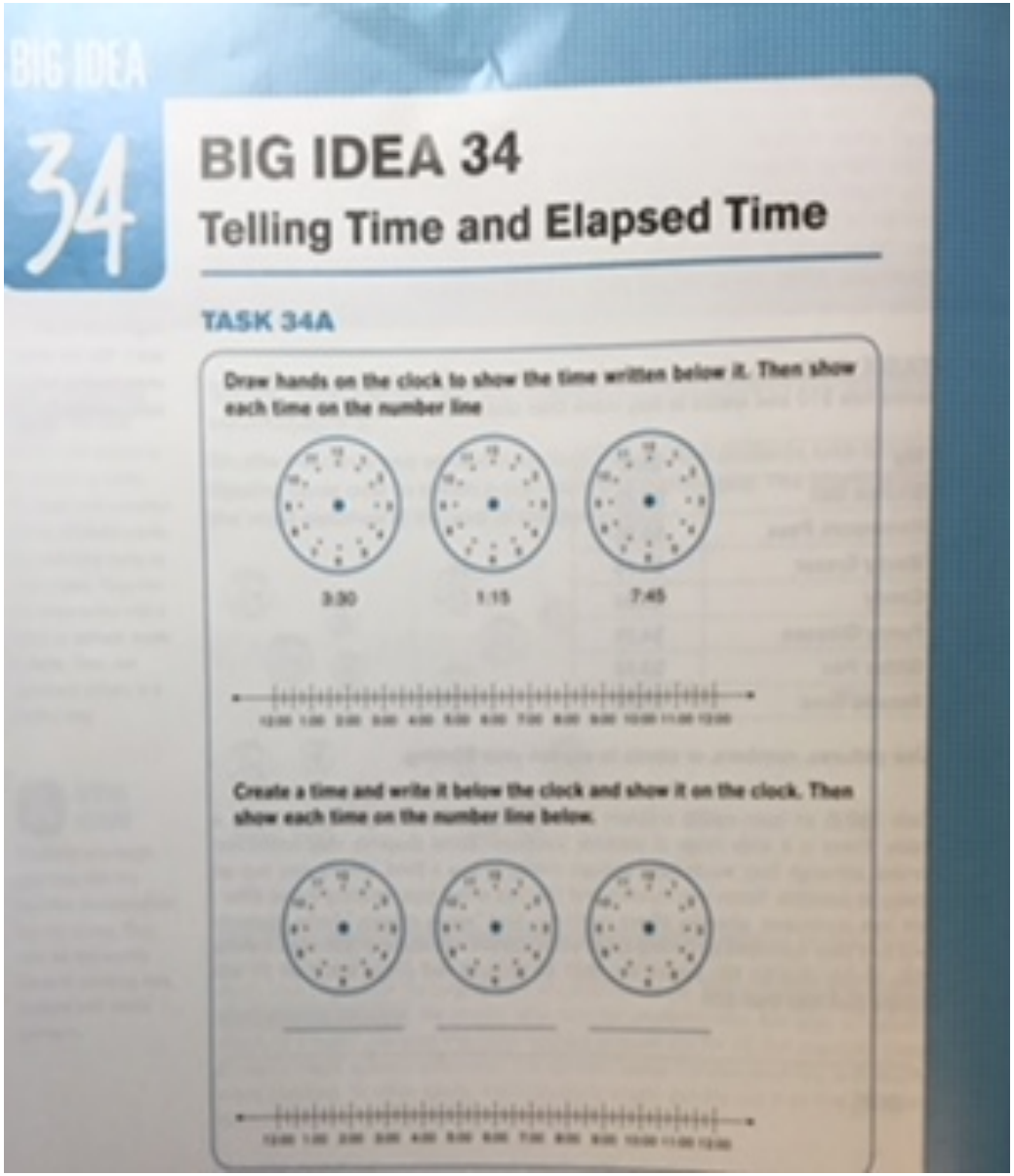


K-5MathTeachingResources.com

Walk the (Changing Number) Line



Time on Number Line



BIG IDEA 34

Telling Time and Elapsed Time

TASK 34A

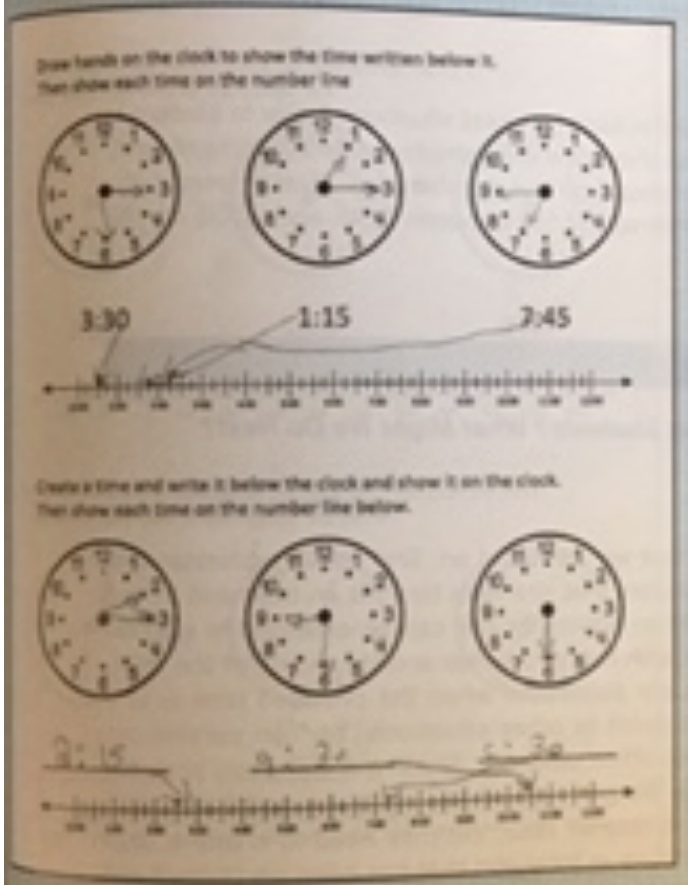
Draw hands on the clock to show the time written below it. Then show each time on the number line

3:30 1:15 7:45

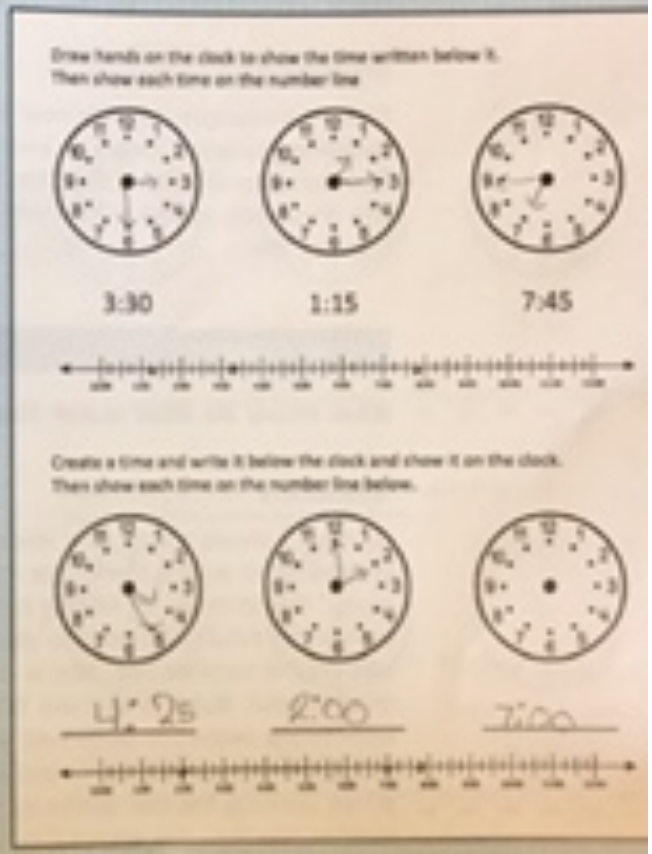
Create a time and write it below the clock and show it on the clock. Then show each time on the number line below.

TASK 34A: Draw hands on the clock to show the time written below it. Then show each time on the number line.
Create a time and write it below the clock and show it on the clock. Then show each time on the number line below.

Student Work 1

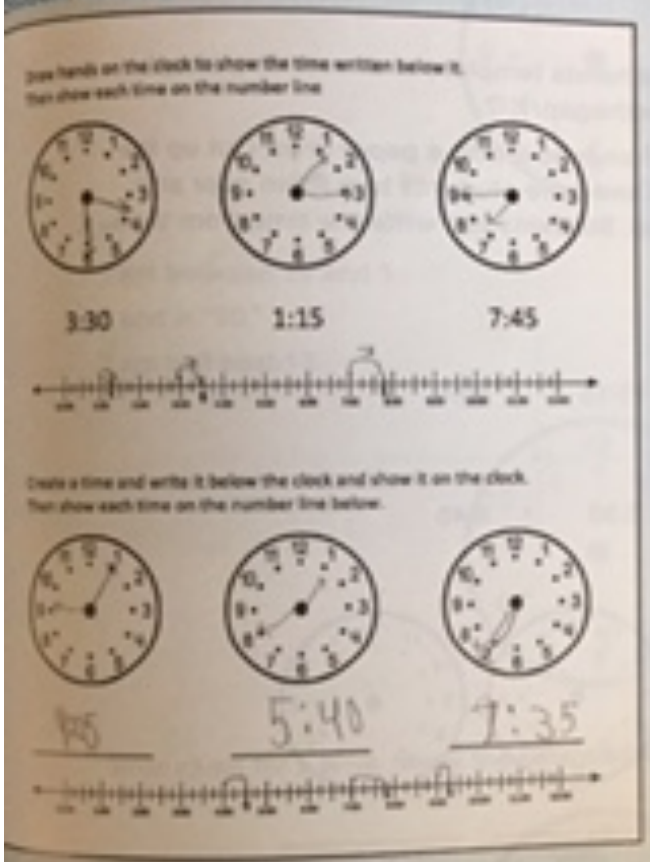


Student Work 2

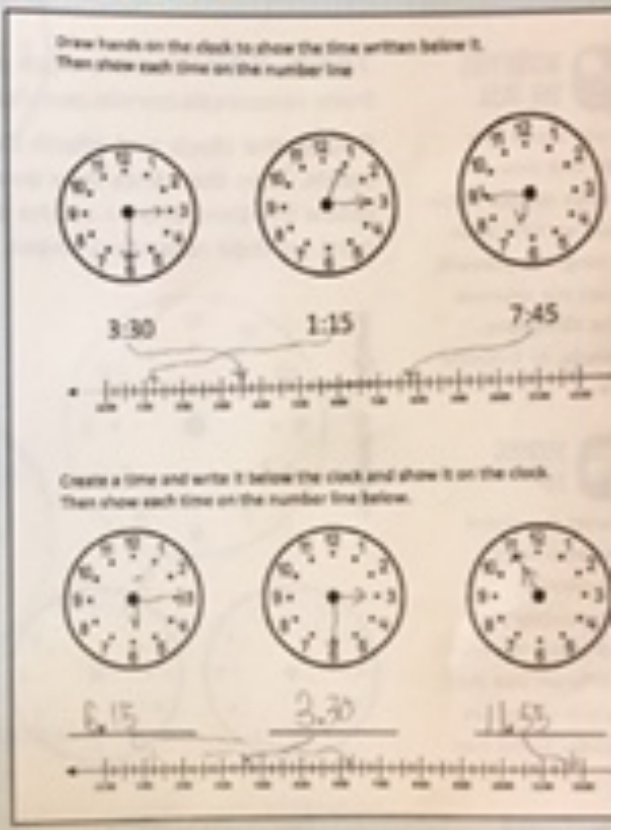


TASK 34A: Draw hands on the clock to show the time written below it. Then show each time on the number line.
Create a time and write it below the clock and show it on the clock. Then show each time on the number line below.

Student Work 3



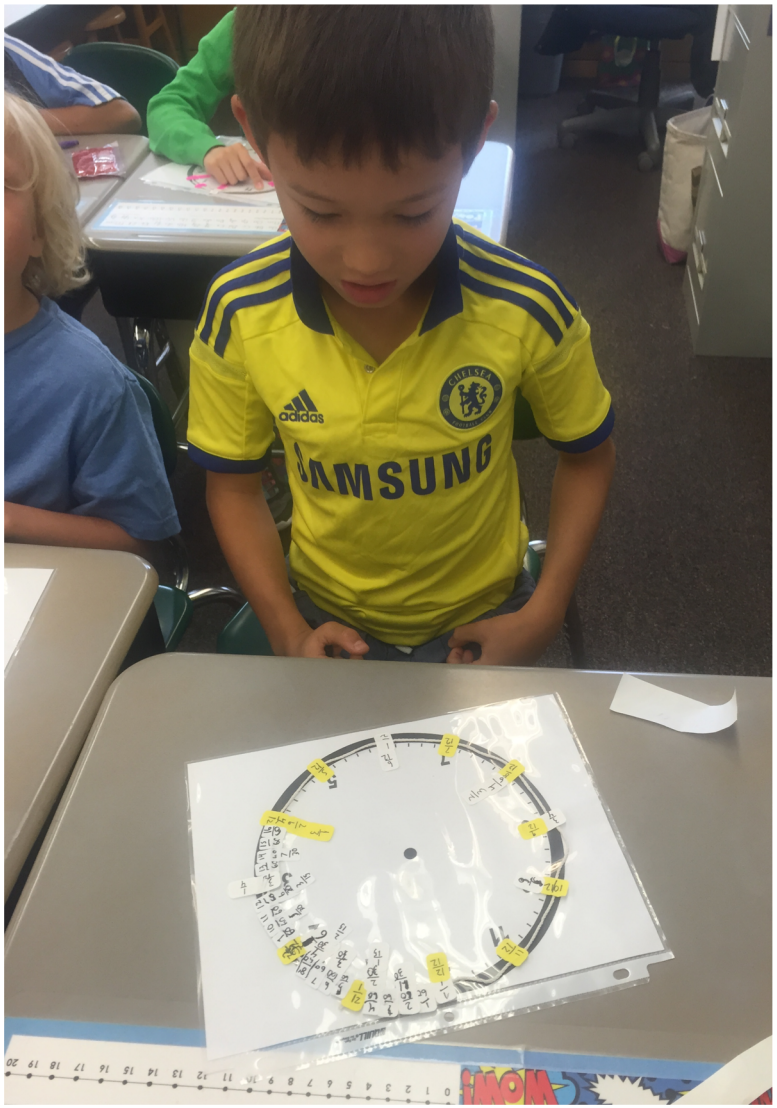
Student Work 4



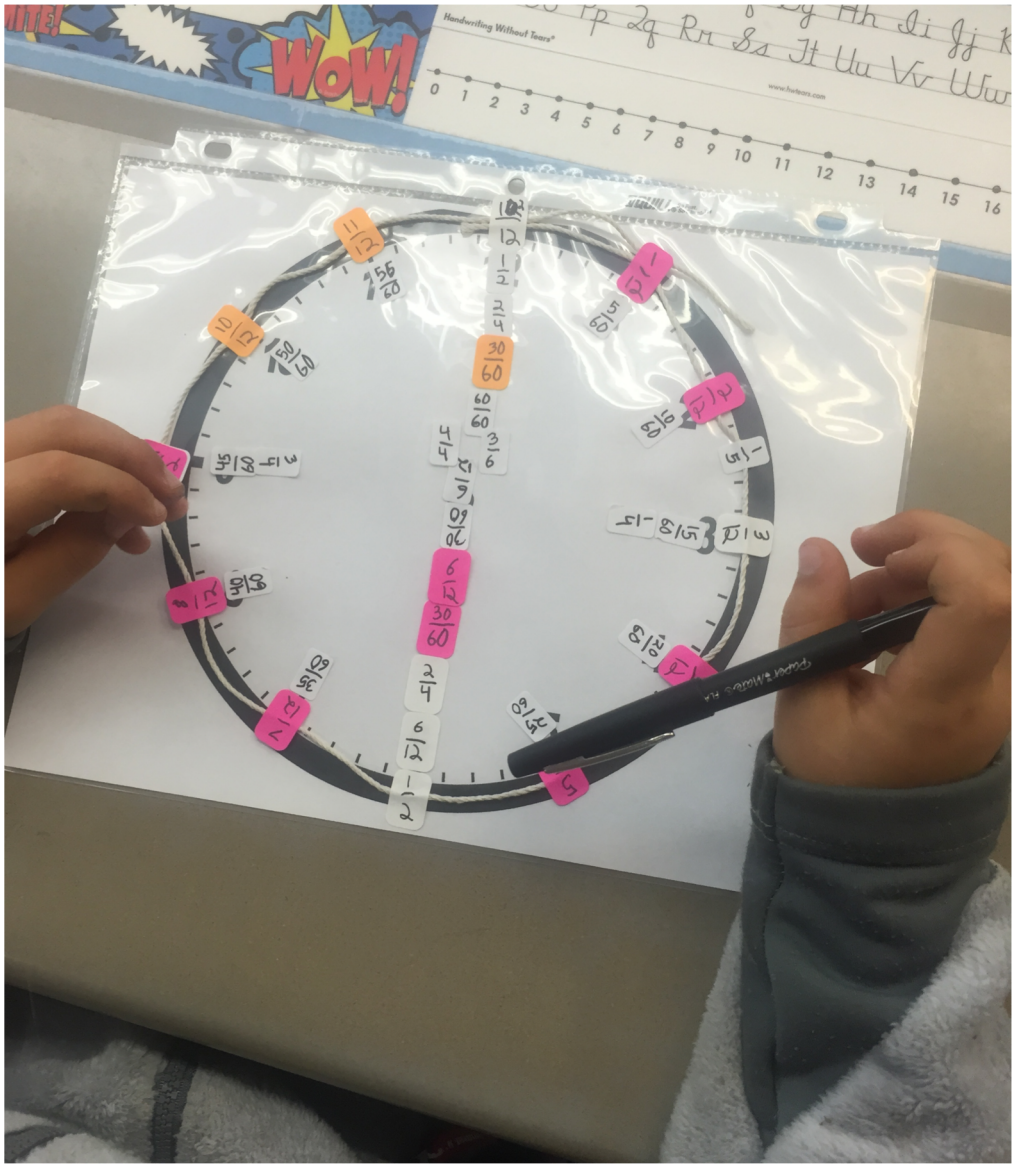
Math "TIME"

- What mathematical observations do you see on the clock?

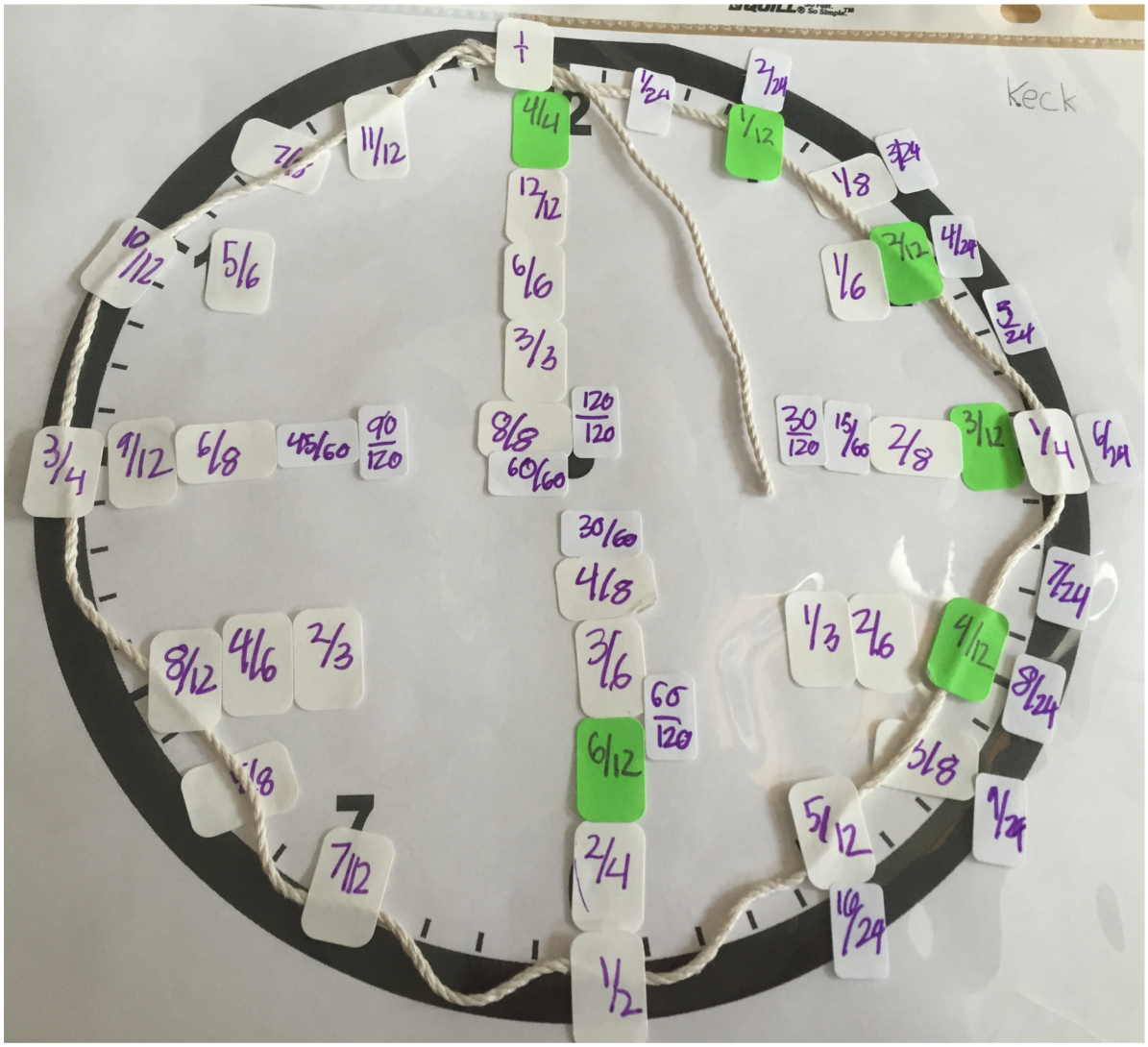
Fractions on the Clock



Fractions on the Clock

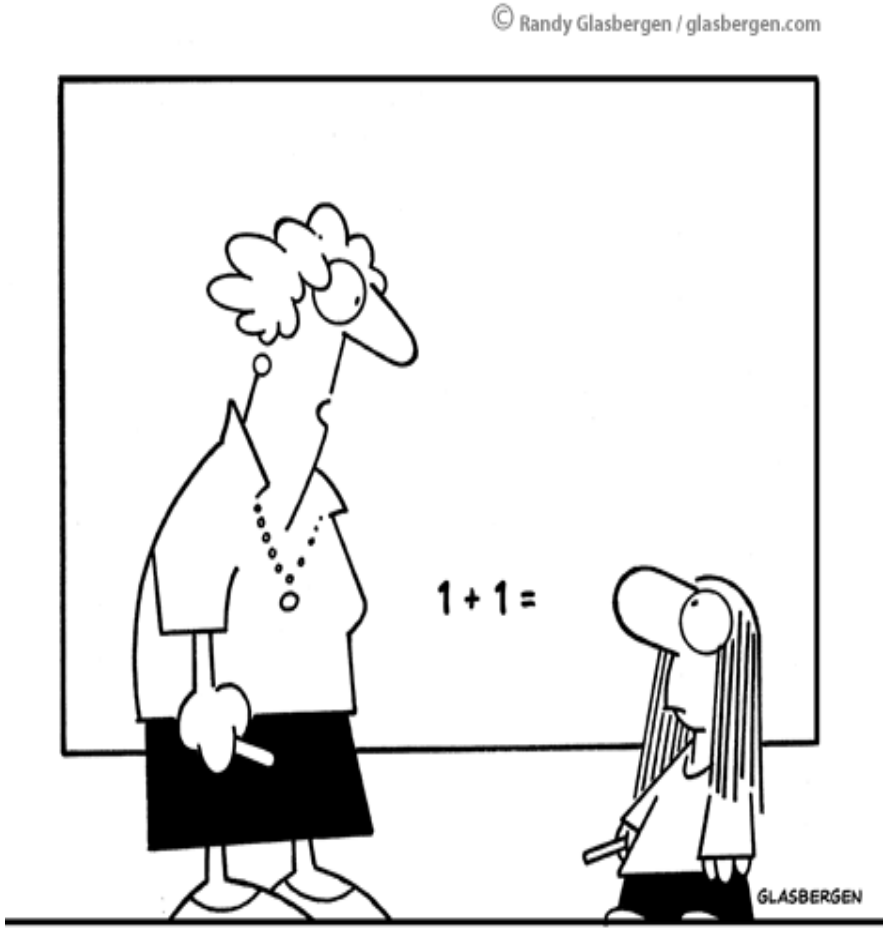


Fractions on the Clock



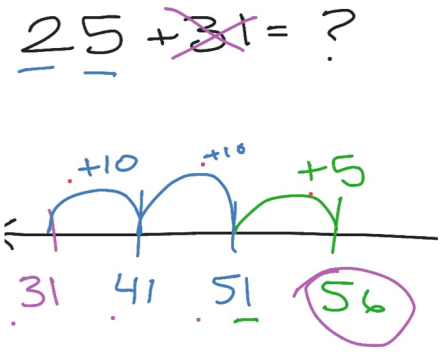
Zip. Lock. and Bag It.

The Bottom Line…



"Yes, this will be useful to you later in life."

Thank you!

Ashley Hinton
ashley.hinton@da.org

Nataki McClain
nataki.mcclain@da.org