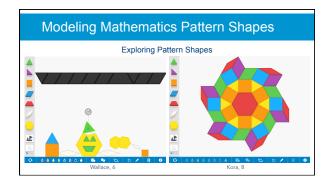
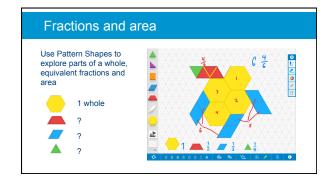


Developing & Representing Thinking

- Explore 6 free apps
- Model mathematics
- Share solution strategies
- Reflect on our teaching practices

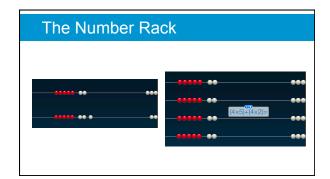


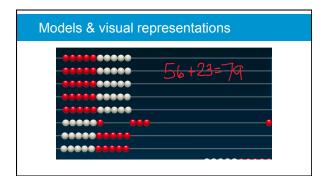


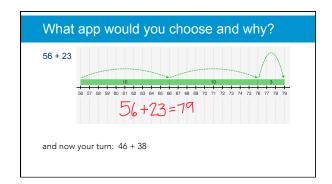


Geometry & Measurement 1. Measure polygon angles using other pattern blocks and then check with a protractor 2. Add angles in polygon shapes to make acute, right, and obtuse angles









Another problem

Violet bought a 3-by-5 sheet of stamps. The stamps cost 32 cents each. How much did Violet pay for the entire sheet of stamps? Here's how Christopher solved the problem:

Do you agree with Christopher?

Number Frames Use Number Frames to show that a 3-by-5 sheet of stamps requires multiplication not addition. 1. Open Number Frames and create 3 x 5 array 2. Add 3 groups of 5 red "stamps" 3. Use the equation editor to insert 3 x 5 = 15.

Money Pieces Represent the 3 x 5 array using coins in place of each stamp. Place 32¢ in each section of a 3x5 array. The total amount of money will be 3 times the money in 1 row. Check math by exchanging coins. Multiply each section by 3 and add to find total value.

Your turn

Choose a math app to share your strategy for another two-step problem.

Leon bought a 3-by-6 sheet of stamps. The stamps cost 25 cents each. How much did Leon pay for the entire sheet of stamps?



Write an equation to go along with your strategy.

The problem

Pablo found part of a carton of eggs in the refrigerator. He used 1/3 of a dozen for baking a cake and 1/4 of a dozen to make brownies.



Then he had 2 eggs left over. How many eggs were in the carton when Pablo started?

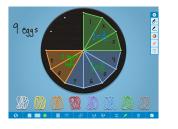
Post your thinking on Padlet

• Padlet.com/TODJ/eggs

Geoboard

Use the Geoboard app to explore the problem with clock fractions.

- 1. Create and shade 1/3 and 1/4 of the "clock".
- Find equivalent fractions with 12 in the denominator.
- Show the two remaining eggs left in the carton and add 2 + 4 + 3 to find that Pablo started with 9 eggs.



Guiding Principles

- Teaching approach is inquiry based
- Based on problem solving, sustained thinking and reflection
- Moving from the concrete, to the representational, then abstract
- NO LOG IN ©

