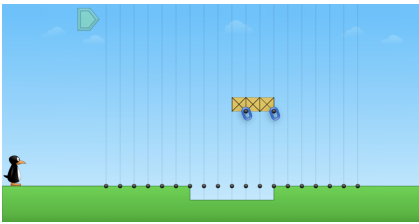


**Materials**

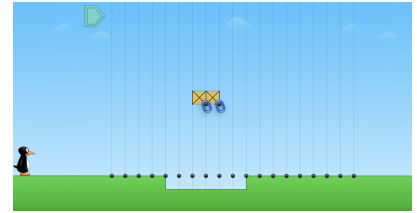
Stretch-A-Block game mat, cubes, whiteboards and markers

**Directions**

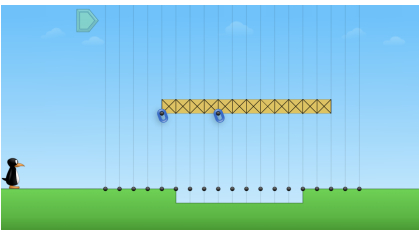
- Show a few puzzles from Stretch-A-Block, Level 3. Have students Think, Pair, Share (TPS) what they notice and then how they might solve the puzzle.



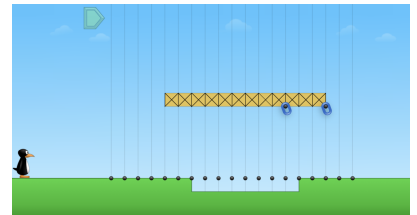
- Have students solve and discuss their strategies for several puzzles in levels 4 to 6.



- Play a couple of games from Level 5 in Stretch-A-Block 2. Discuss the similarities and differences in these puzzles and the other puzzles they solved.



- Give each student the game mat to solve a puzzle from Level 5 in Stretch-A-Block 2. Discuss student strategies.


**Sample Questions**

- How does this strategy compare to this strategy? (visual, using scaling or multiplication, using proportional reasoning)
- What different proportions can you find in this puzzle?
- How does the number of blocks in each section that is divided by a rubber band relate to each section created when you pull the rubber bands down to the ground?

**What to look for**

How does the student:

- compare the bar in the sky to the bar in the ground?
- understand the use of numbers and equations to solve the problem?
- see scaling from a larger bar to a smaller bar as multiplying by a fraction?

**Extensions**

- Have the students create their own puzzle and have other students solve it.
- Discuss how they know the puzzle they created will work.
- Give an equation and have students create a puzzle that would go with the equation.
- Give students a word problem that involves scaling.