

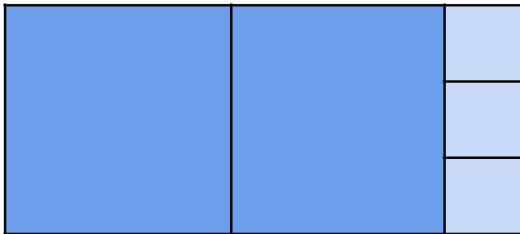
Push and Support Cards for Picture This!

Cut out these cards before class. Share a card with a group of participants only if they need it to keep working productively.

Make a sketch of a diagram before entering two numbers. Did you predict correctly?

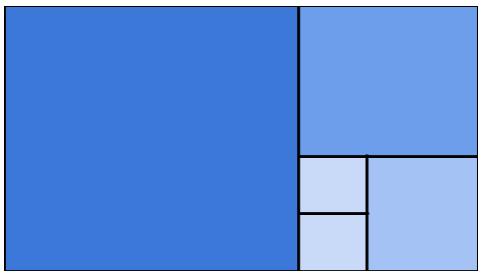
What is the diagram for 12, 8?
And for 6, 4? Why?

What pair of numbers could produce this diagram?



If each color represents a different sized square, how many different squares can we have? Which pairs of numbers give many steps and which give few?

What pair of numbers could produce this diagram?



What conjectures do you have to explain how this diagram is produced?

What is the relationship between the side length of the smallest square in each diagram and the pair of numbers?

How does the diagram work with larger numbers?

Describe the information from one of these diagrams in words or equations.

When might this process be more or less useful than other existing techniques?