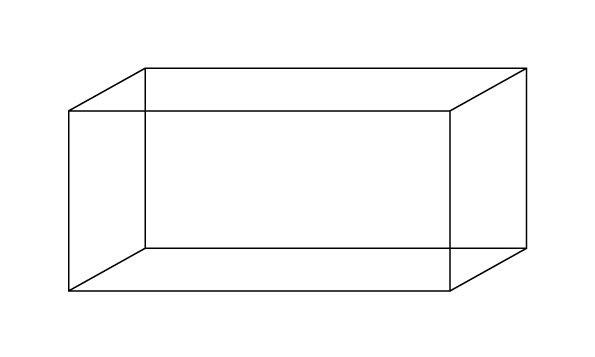
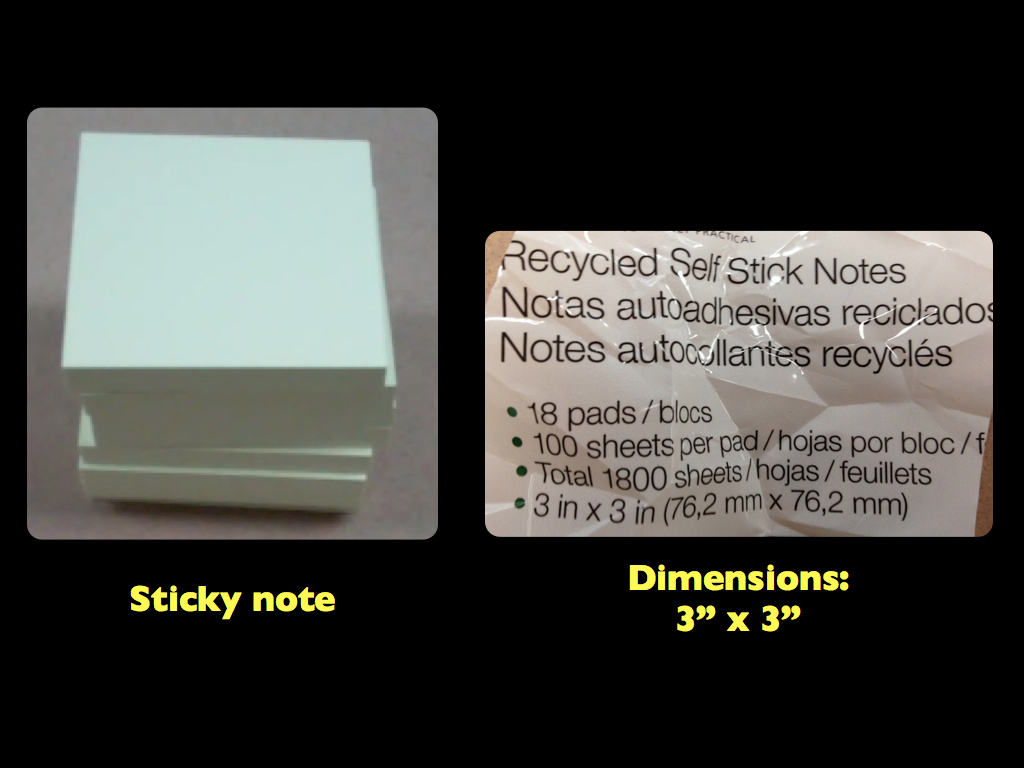
**WARM-UP**

Write down as many things as you can about this figure. What do you see?

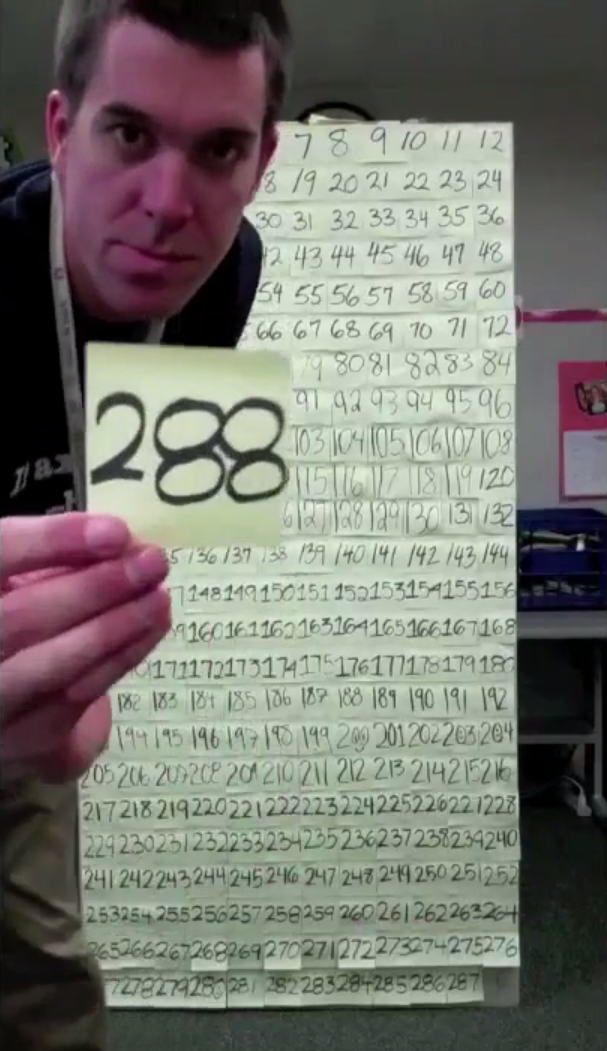


**Requested Information**

**Support and Push Questions**

|  |  |
| --- | --- |
| Draw a picture of one face of the file cabinet. How many sticky notes would fit across? How many sticky notes would fit going down? | Draw and label a picture of one face of the file cabinet. What is the area of that face? How many sticky notes would you need to cover that area? |
| How many square inches does it take to cover one Post-It note? | What is the surface area of the file cabinet in square inches?  What is the surface area of the file cabinet in square feet? |
| If the **DEPTH** of the cabinet was doubled, how many more post-its would be needed? | If the **WIDTH** of the cabinet was doubled, how many more post-its would be needed? |
| If the **HEIGHT** of the cabinet was doubled, how many more post-its would be needed? | What formula (process) could you come up with to calculate the surface area of any rectangular prism? |
| How long would it take to cover the file cabinet with sticky notes? | How many sticky notes would it take to fill the cabinet? |

**Check-in**



**Sequels** (for homefun)

You have 1,000,000 sticky notes.

Design a file cabinet that would be covered by all 1,000,000 sticky notes.

Find a rectangular prism in your house.

How many 3” by 3” Post-it notes would it take to cover it?