



Problem of the Week

Problem A

Messy Mosaic

A pattern of figures is made from square blocks. Here are the first four figures of the pattern:

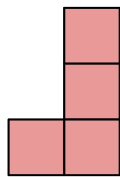


Figure 1

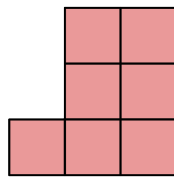


Figure 2

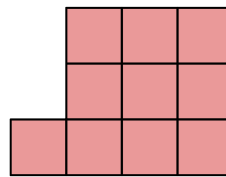


Figure 3

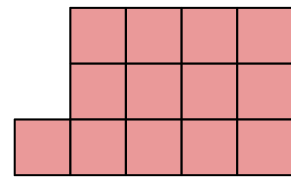


Figure 4

- Describe a *pattern rule* for the pattern.
- Using your pattern rule from part (a), what would Figure 10 be in the pattern?
- Using your pattern rule from part (a), how many blocks are in Figure 100?

