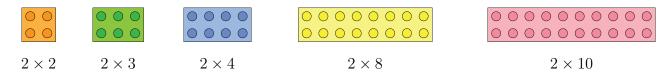


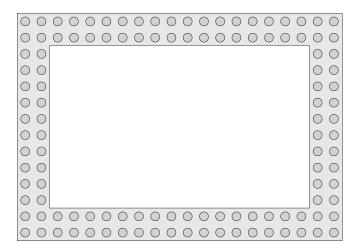
Problem of the Week Problem B Playing with Bricks

Saskia has the following five sizes of LegoTM bricks.



For each question below, assume that Saskia will never run out of bricks.

- (a) Saskia wants to make a row of bricks that measures 2×16 . Which of her brick sizes can she use if all bricks used must be the same size?
- (b) Saskia wants to make a rectangular frame of bricks that measures 14×20 on the outside, as shown. Which of her brick sizes can she use if all bricks used must be the same size?



(c) Saskia wants to make a rectangular frame of bricks that measures 320×420 on the outside. What is the largest brick size that she can use if all bricks used must be the same size?

GEOMETRY & MEASUREMENT, NUMBER SENSE THEMES: