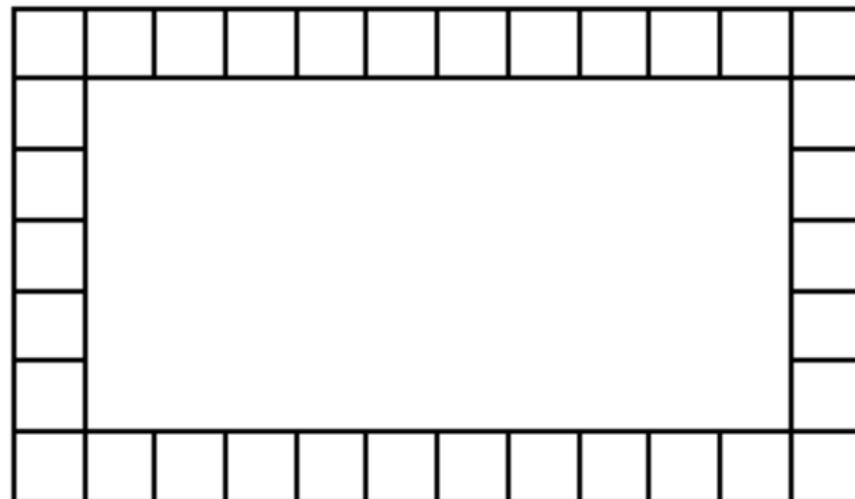


4-32. Bonnie and her staff at “I’ve Been Framed!” have decided to offer a new style of picture frame. The length of the new rectangular frame is five squares longer than the width. One example of this type of frame is shown below.

- a. How many tiles make up the example frame above? Find two different ways to count.
- b. If the shorter side of a frame that follows the same pattern is 10 tiles long, how long is the longer side? How do you know?



4-34. Julian was studying a pattern made with toothpicks, and he started the table shown below.

Figure Number	Number of Toothpicks
1	7
2	10
3	13
4	
5	

Describe in words how this pattern is increasing or decreasing.

4-35. Estimate each sum or difference below by stating which whole numbers the answer should be between. Then check your conclusion by calculating the actual sum or difference.

Estimate

Actual Sum or Difference

a. $5.2 - 2.09$

b. $25\frac{1}{3} - 17\frac{5}{6}$

c. $3\frac{3}{4} + 2\frac{5}{7}$

d. $103.57 + 29.6$

4-36. Find the Greatest Common Factor and Least Common Multiple of 36 and 45

a. GCF of 36 and 45 (List your factors below):

36: _____

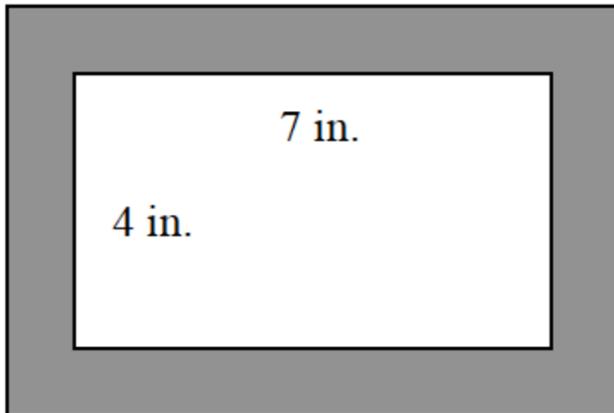
45: _____

b. LCM of 36 and 45 (List your multiples below):

36: _____

45: _____

4-48. Tina is going to put 1-inch square tiles on the picture frame shown below.



- a. If the frame is one tile wide, how many 1-inch-square tiles will she need?
- b. Would more 1-inch square tiles fit inside the frame (white area) or on the frame (dark area)?

4-49. Four friends worked together to wash all of the cars that the Kumar family owns. They received \$43.00 for doing the work and agreed to divide the earnings evenly. How much money will each friend earn? Show how you know.



4-50. Complete the generic rectangle below. What multiplication problem does it represent and what is the product?

	+ 40	
	800	
+ 5	500	30

4-51. Use the portions representation web to rewrite each percent as a fraction and as a decimal.

Fraction

Decimal

13%

20%

130%

32%
