

Perimeter Patterns

Alice was making squares out of toothpicks. She noticed a pattern involving the length of one side and the perimeter of the square. Complete the table and then answer the questions that follow.



Side Length	Perimeter
1	4
2	
	12
4	
	20



- ① What rule describes the relationship between the length of one side and the perimeter of a square?

- ② What would be the perimeter of a square with a side length of 25 toothpicks?

_____ toothpicks

- ③ What would be the side length of a square with a perimeter of 500 toothpicks?

_____ toothpicks

- ④ Describe at least two other patterns you notice in the table _____

Practice

⑤ $753 \div 3 =$ _____

⑥ _____ $= 386 \div 2$

⑦ $283 \div 9 \rightarrow$ _____

⑧ $505 \div 6 \rightarrow$ _____