Find Factors of a Number

Solve problems 1–6.

1. I am a counting number that has more than two different types of factors. Am I a prime number or composite number?

2. Jimmy arranged 9 tiles into three different arrays. What are the factors of the number 9?

3. The sum of my ones and tens digit is 10. My tens digit is greater than my ones digit. I am a prime number. What number am I?

4. Husam has 30 stamps. He wants to arrange them in equal rows. In how many ways can he arrange them?

5. Mr. Jenkin’s age is a composite number. The number in the ones place is the product of 2 \times 4. The number in the tens place is the difference of half a dozen from one dozen. How old is Mr. Jenkins?

6. The area of a rectangular hallway is 120 square feet. If the length and the width are both composite numbers, what are the possible dimensions of the hallway?