Name .....

MY Homework

Lesson 2
Prime and Composite Numbers

Homework Helper

eHelp

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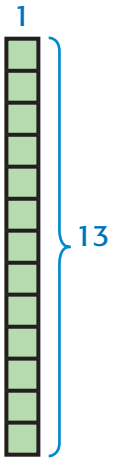
Patrice is having a tea party. There will be 13 people at the tea party altogether. Can Patrice divide the chairs evenly among more than 1 table? Explain.

Find the factors of 13 and decide if 13 is a prime number, a composite number, or neither.

The factors of 13 are 1 and 13. So, 13 is a prime number.

Patrice cannot divide the chairs evenly among more than 1 table because 13 is a prime number.



Type of Number	Definition
prime number	a whole number with exactly two factors, 1 and itself (Examples: 17, 29, 41)
composite number	a whole number with more than two factors (Examples: 8, 30, 56)
neither prime nor composite	a number that has only one distinct factor (Example: 1)

Practice

Tell whether each number is *prime*, *composite*, or *neither*.

1. 16 _____

2. 37 _____

3. 50 _____

4. 41 _____

5. 1 _____

6. 81 _____

Tell whether each number is *prime*, *composite*, or *neither*.

7. 0 _____ **8.** 11 _____ **9.** 90 _____

10. 75 _____ **11.** 53 _____ **12.** 23 _____

Problem Solving

13. Colby has 16 jars of spices. He wants to arrange them in arrays. What arrays could he use to arrange them?

_____

14. Winnie has 7 soccer trophies she wants to display in an array. How many different arrays are possible? Explain.

_____

15. Mathematical PRACTICE 1 **Keep Trying** Identify the two prime numbers that are greater than 25 and less than 35.

_____

16. Identify two composite numbers that each have 8 as a factor.

_____

Vocabulary Check

Draw a line to match the vocabulary term with its example.

17. prime number	• 61
18. composite number	• 21

Test Practice

19. Which of the following is a prime number?

Ⓐ 67 Ⓒ 63

Ⓑ 65 Ⓓ 60