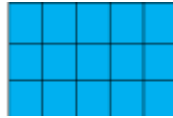


4.OA.B.4 Prime and Composite Numbers Using Arrays

4.OA.B.4 Determine whether a given whole number in the range 1-100 is prime or composite

1. Use the arrays below to find the factors of 15. Is 15 a prime or composite number?



Solution:

2. Use the arrays below to find the factors of 11. Is 11 a prime or composite number?



Solution:

3. What is a prime number? Give 2 examples of prime numbers?

Solution:

4. Draw arrays to find the factors. Determine whether the number is prime or composite.

Number	Arrays	Factors	Prime or Composite?
3			
5			
8			
9			

5. Which number is a prime number?

A. 57 B. 63 C. 71 D. 81

Solution:

4.OA.B.4 Prime and Composite Numbers Using Arrays

Answer Key

4.OA.B.4 Determine whether a given whole number in the range 1-100 is prime or composite

1. Use the arrays below to find the factors of 15. Is 15 a prime or composite number?



Solution: **Factors** are 1, 3, 5, and 15. So, 15 is composite

2. Use the arrays below to find the factors of 11. Is 11 a prime or composite number?



Solution: **Factors** are 1 and 11. So, 11 is prime

3. What is a prime number? Give 2 examples of prime numbers?

Solution: **A number that has only two factors, 1 and itself. Examples: 2, 3 etc.**

4. Draw arrays to find the factors. Determine whether the number is prime or composite.

Number	Arrays	Factors	Prime or Composite?
3		1, 3	Prime
5		1, 5	Prime
8	 	1, 2, 4, 8	Composite
9	 	1, 3, 9	Composite

5. Which number is a prime number?

B. 57 B. 63 C. 71 D. 81

Solution: **C**