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4.OA.B.4 Prime and Composite Numbers

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

1. What is a composite number? Give 2 examples of composite number?

   Solution:

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

Number	Arrays	Factors	Prime or Composite?
6			
14			
19			
25			

3. Write prime or composite for each number.

   a. 5   f. 30
   b. 11   g. 31
   c. 18   h. 33
   d. 21   i. 34
   e. 27   j. 37

   Solution:
   a.   f.
   b.   g.
   c.   h.
   d.   i.
   e.   j.

4. Which number is <u>not</u> a composite number
   A. 51   B. 53   C. 55   D. 57

   Solution:

5. A composite number is greater than 20 and less than 30. All the factors of these numbers are prime numbers. Which number is it?
   A. 21   B. 24   C. 27   D. 28

   Solution:

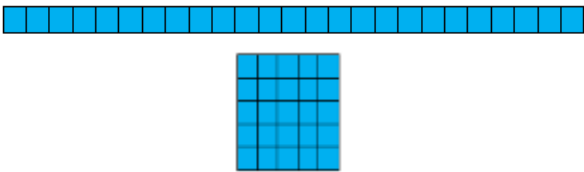## 4.OA.B.4 Prime and Composite Numbers

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

1. What is a composite number? Give 2 examples of composite number?

   Solution: A composite number has more than two factors. Examples are 4, 10 etc.

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

Number	Arrays	Factors	Prime or Composite?
6		1, 2, 3, 6	Composite
14		1, 2, 7, 14	Composite
19		1, 19	Prime
25		1, 5, 25	Composite

3. Write prime or composite for each number.
   a. 5   f. 30
   b. 11   g. 31
   c. 18   h. 33
   d. 21   i. 34
   e. 27   j. 37

   Solution:
   a. Prime   f. Composite
   b. Prime   g. Prime
   c. Composite   h. Composite
   d. Composite   i. Composite
   e. Composite   j. Prime

4. Which number is not a composite number
   A. 51   B. 53   C. 55   D. 57

   Solution: B

5. A composite number is greater than 20 and less than 30. All the factors of these numbers are prime numbers. Which number is it?
   A. 21   B. 24   C. 27   D. 28

   Solution: A