Cotuz

Name: _____ Date: _____

# Factors, Multiples, Prime and Composite Numbers

Grade 4 · Ages 9-10 · Math · Number Sense · ★★

A prime number has exactly two factors, 1 and itself; a composite number has more. Circle prime or composite, or write the number on the line: how many factors, the greatest common factor, or the least common multiple.

**1.** How many factors does 11 have?

_____

**2.** Is 31 prime or composite?

(A) prime (B) composite

**3.** Is 30 prime or composite?

(A) prime (B) composite

**4.** How many factors does 94 have?

_____

**5.** How many factors does 25 have?

_____

**6.** Is 49 prime or composite?

(A) prime (B) composite

**7.** How many factors does 86 have?

_____

**8.** Is 59 prime or composite?

(A) prime (B) composite

**9.** What is the least common multiple of 2 and 3? _____

**10.** What is the greatest common factor of 44 and 68? _____

**11.** What is the least common multiple of 8 and 10? _____

**12.** What is the greatest common factor of 18 and 100? _____

**13.** What is the greatest common factor of 20 and 12? _____

**14.** What is the least common multiple of 5 and 2? _____

**15.** What is the least common multiple of 9 and 5? _____

**16.** What is the greatest common factor of 55 and 50? _____

**17.** What is the least common multiple of 6 and 8? _____

**18.** What is the greatest common factor of 56 and 22? _____

**19.** What is the greatest common factor of 76 and 8? _____

**20.** What is the least common multiple of 3 and 7? _____

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ANSWER KEY

# Factors, Multiples, Prime and Composite Numbers

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**1.** How many factors does 11 have? **2**

**2.** Is 31 prime or composite?
**Answer: (A) prime**

**3.** Is 30 prime or composite?
**Answer: (B) composite**

**4.** How many factors does 94 have? **4**

**5.** How many factors does 25 have? **3**

**6.** Is 49 prime or composite?
**Answer: (B) composite**

**7.** How many factors does 86 have? **4**

**8.** Is 59 prime or composite?
**Answer: (A) prime**

**9.** What is the least common multiple of 2 and 3? **6**

**10.** What is the greatest common factor of 44 and 68? **4**

**11.** What is the least common multiple of 8 and 10? **40**

**12.** What is the greatest common factor of 18 and 100? **2**

**13.** What is the greatest common factor of 20 and 12? **4**

**14.** What is the least common multiple of 5 and 2? **10**

**15.** What is the least common multiple of 9 and 5? **45**

**16.** What is the greatest common factor of 55 and 50? **5**

**17.** What is the least common multiple of 6 and 8? **24**

**18.** What is the greatest common factor of 56 and 22? **2**

**19.** What is the greatest common factor of 76 and 8? **4**

**20.** What is the least common multiple of 3 and 7? **21**