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**