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. Is 76 prime or composite?
(A) prime (B) composite

2. How many factors does 84 have? _____

3. Is 19 prime or composite?
(A) prime (B) composite

4. How many factors does 76 have? _____

5. Is 6 prime or composite?
(A) prime (B) composite

6. How many factors does 9 have? _____

7. Is 2 prime or composite?
(A) prime (B) composite

8. How many factors does 73 have? _____

9. What is the least common multiple of 12 and 7? _____

10. What is the greatest common factor of 95 and 25? _____

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

12. What is the greatest common factor of 87 and 54? _____

13. What is the least common multiple of 7 and 11? _____

14. What is the greatest common factor of 42 and 49? _____

15. What is the least common multiple of 6 and 10? _____

16. What is the greatest common factor of 33 and 60? _____

17. What is the greatest common factor of 35 and 49? _____

18. What is the least common multiple of 10 and 3? _____

19. What is the greatest common factor of 9 and 60? _____

20. What is the least common multiple of 2 and 11? _____

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ANSWER KEY

Factors, Multiples, Prime and Composite Numbers

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1. Is 76 prime or composite?
Answer: (B) composite

2. How many factors does 84 have? **12**

3. Is 19 prime or composite?
Answer: (A) prime

4. How many factors does 76 have? **6**

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

6. How many factors does 9 have? **3**

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

8. How many factors does 73 have? **2**

9. What is the least common multiple of 12 and 7? **84**

10. What is the greatest common factor of 95 and 25? **5**

11. What is the least common multiple of 11 and 8? **88**

12. What is the greatest common factor of 87 and 54? **3**

13. What is the least common multiple of 7 and 11? **77**

14. What is the greatest common factor of 42 and 49? **7**

15. What is the least common multiple of 6 and 10? **30**

16. What is the greatest common factor of 33 and 60? **3**

17. What is the greatest common factor of 35 and 49? **7**

18. What is the least common multiple of 10 and 3? **30**

19. What is the greatest common factor of 9 and 60? **3**

20. What is the least common multiple of 2 and 11? **22**