

SKILL 3: Practice

Find the prime factorization.

1. 12

2. 40

3. 64

4. 36

5. 60

6. 65

7. 20

8. 30

9. 56

10. 21

11. 18

12. 16

13. 630

14. 1,001

15. 625

16. 400

17. 2,000

18. 560

19. The prime factorization of a number is
 $2 \times 2 \times 2 \times 3 \times 3 \times 3 \times 5 \times 5 \times 5$.
What is the number? _____

20. What number is in the prime factorization of all even numbers? _____

21. Could $2 \times 4 \times 5 \times 9 \times 11$ be the prime factorization of a number? Explain.

TEST PREP

22. Which is the prime factorization of 48?

Skill 3

A $2 \times 2 \times 2 \times 2 \times 3$

B $2 \times 2 \times 2 \times 6$

C 4×12

D 3×16

23. Which number is not composite?

Skill 2

F 62

G 77

H 95

J 53