

Factors

Find all of the factors of the following numbers.

1. 12

2. 62

3. 81

4. 124

5. 53

6. 93

7. 25

8. 24

Answers: 1. 1, 2, 3, 4, 6, 12

2. 1, 2, 31, 62

3. 1, 3, 9, 27, 81

4. 1, 2, 4, 31, 62, 124

5. 1, 53

6. 1, 3, 31, 93

7. 1, 5, 25

8. 1, 2, 3, 4, 6, 8, 12, 24

Find the prime factorization of the following numbers.

9. 21

10. 234

11. 90

12. 84

13. 52

14. 72

15. 160

16. 154

Answers: 9. 3×7

10. $2 \times 3 \times 3 \times 13 = 2 \times 3^2 \times 13$

11. $2 \times 3 \times 3 \times 5 = 2 \times 3^2 \times 5$

12. $2 \times 2 \times 3 \times 7 = 2^2 \times 3 \times 7$

13. $2 \times 2 \times 13 = 2^2 \times 13$

14. $2 \times 2 \times 2 \times 3 \times 3 = 2^3 \times 3^2$

15. $2 \times 2 \times 2 \times 2 \times 2 \times 5 = 2^5 \times 5$

16. $2 \times 7 \times 11$