Factoring numbers into primes factors (1–200)

Grade 6 Factoring Worksheet

Factor the following numbers into prime factors.
Is the number prime?

1) 49 = _____

2) 66 = _____

3) 11 = _____

4) 68 = _____

5) 81 = _____

6) 51 = _____

7) 80 = _____

8) 7 = _____

9) 5 = _____

10) 41 = _____

11) 169 = _____

12) 180 = _____

13) 8 = _____

14) 86 = _____

15) 91 = _____

16) 96 = _____

17) 61 = _____

18) 112 = _____

19) 77 = _____

20) 83 = _____

Factoring numbers into primes factors (1–200)

Grade 6 Factoring Worksheet

Factor the following numbers into prime factors.
Is the number prime?

1) 49 = 7×7 (No)

2) 66 = 2×3×11 (No)

3) 11 = 11 (Yes)

4) 68 = 2×2×17 (No)

5) 81 = 3×3×3×3 (No)

6) 51 = 3×17 (No)

7) 80 = 2×2×2×2×5 (No)

8) 7 = 7 (Yes)

9) 5 = 5 (Yes)

10) 41 = 41 (Yes)

11) 169 = 13×13 (No)

12) 180 = 2×2×3×3×5 (No)

13) 8 = 2×2×2 (No)

14) 86 = 2×43 (No)

15) 91 = 7×13 (No)

16) 96 = 2×2×2×2×2×3 (No)

17) 61 = 61 (Yes)

18) 112 = 2×2×2×2×7 (No)

19) 77 = 7×11 (No)

20) 83 = 83 (Yes)