Factoring numbers into primes factors (<1,000)

Grade 6 Factoring Worksheet

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

1) 57 = _____

2) 104 = _____

3) 71 = _____

4) 82 = _____

5) 201 = _____

6) 113 = _____

7) 29 = _____

8) 56 = _____

9) 461 = _____

10) 44 = _____

11) 95 = _____

12) 216 = _____

13) 523 = _____

14) 643 = _____

15) 252 = _____

16) 804 = _____

17) 27 = _____

18) 900 = _____

19) 98 = _____

20) 26 = _____

Factoring numbers into primes factors (<1,000)

Grade 6 Factoring Worksheet

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

1) 57 = 3×19 (No)

2) 104 = 2×2×2×13 (No)

3) 71 = 71 (Yes)

4) 82 = 2×41 (No)

5) 201 = 3×67 (No)

6) 113 = 113 (Yes)

7) 29 = 29 (Yes)

8) 56 = 2×2×2×7 (No)

9) 461 = 461 (Yes)

10) 44 = 2×2×11 (No)

11) 95 = 5×19 (No)

12) 216 = 2×2×2×3×3×3 (No)

13) 523 = 523 (Yes)

14) 643 = 643 (Yes)

15) 252 = 2×2×3×3×7 (No)

16) 804 = 2×2×3×67 (No)

17) 27 = 3×3×3 (No)

18) 900 = 2×2×3×3×5×5 (No)

19) 98 = 2×7×7 (No)

20) 26 = 2×13 (No)