# Factoring numbers into primes factors (<500)

Grade 6 Factoring Worksheet

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

1) 27 = _____

2) 56 = _____

3) 13 = _____

4) 140 = _____

5) 55 = _____

6) 72 = _____

7) 111 = _____

8) 202 = _____

9) 225 = _____

10) 89 = _____

11) 163 = _____

12) 350 = _____

13) 414 = _____

14) 95 = _____

15) 40 = _____

16) 81 = _____

17) 67 = _____

18) 41 = _____

19) 29 = _____

20) 121 = _____

# Factoring numbers into primes factors (<500)

Grade 6 Factoring Worksheet

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

1) 27 = 3×3×3 (No)

2) 56 = 2×2×2×7 (No)

3) 13 = 13 (Yes)

4) 140 = 2×2×5×7 (No)

5) 55 = 5×11 (No)

6) 72 = 2×2×2×3×3 (No)

7) 111 = 3×37 (No)

8) 202 = 2×101 (No)

9) 225 = 3×3×5×5 (No)

10) 89 = 89 (Yes)

11) 163 = 163 (Yes)

12) 350 = 2×5×5×7 (No)

13) 414 = 2×3×3×23 (No)

14) 95 = 5×19 (No)

15) 40 = 2×2×2×5 (No)

16) 81 = 3×3×3×3 (No)

17) 67 = 67 (Yes)

18) 41 = 41 (Yes)

19) 29 = 29 (Yes)

20) 121 = 11×11 (No)