Factoring numbers into primes factors (1–400)

Grade 6 Factoring Worksheet

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

1) 71 = _____

2) 38 = _____

3) 36 = _____

4) 93 = _____

5) 20 = _____

6) 166 = _____

7) 316 = _____

8) 193 = _____

9) 344 = _____

10) 54 = _____

11) 223 = _____

12) 373 = _____

13) 140 = _____

14) 73 = _____

15) 56 = _____

16) 24 = _____

17) 270 = _____

18) 33 = _____

19) 83 = _____

20) 72 = _____

Factoring numbers into primes factors (1–400)

Grade 6 Factoring Worksheet

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

1) 71 = 71 (Yes)

2) 38 = 2×19 (No)

3) 36 = 2×2×3×3 (No)

4) 93 = 3×31 (No)

5) 20 = 2×2×5 (No)

6) 166 = 2×83 (No)

7) 316 = 2×2×79 (No)

8) 193 = 193 (Yes)

9) 344 = 2×2×2×43 (No)

10) 54 = 2×3×3×3 (No)

11) 223 = 223 (Yes)

12) 373 = 373 (Yes)

13) 140 = 2×2×5×7 (No)

14) 73 = 73 (Yes)

15) 56 = 2×2×2×7 (No)

16) 24 = 2×2×2×3 (No)

17) 270 = 2×3×3×3×5 (No)

18) 33 = 3×11 (No)

19) 83 = 83 (Yes)

20) 72 = 2×2×2×3×3 (No)