Factoring numbers into primes factors (<500)

Grade 6 Factoring Worksheet

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

1) 35 = _____

2) 81 = _____

3) 59 = _____

4) 210 = _____

5) 325 = _____

6) 56 = _____

7) 273 = _____

8) 153 = _____

9) 104 = _____

10) 97 = _____

11) 385 = _____

12) 393 = _____

13) 48 = _____

14) 414 = _____

15) 149 = _____

16) 481 = _____

17) 44 = _____

18) 281 = _____

19) 86 = _____

20) 199 = _____

Factoring numbers into primes factors (<500)

Grade 6 Factoring Worksheet

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

1) 35 = 5×7 (No)

2) 81 = 3×3×3×3 (No)

3) 59 = 59 (Yes)

4) 210 = 2×3×5×7 (No)

5) 325 = 5×5×13 (No)

6) 56 = 2×2×2×7 (No)

7) 273 = 3×7×13 (No)

8) 153 = 3×3×17 (No)

9) 104 = 2×2×2×13 (No)

10) 97 = 97 (Yes)

11) 385 = 5×7×11 (No)

12) 393 = 3×131 (No)

13) 48 = 2×2×2×2×3 (No)

14) 414 = 2×3×3×23 (No)

15) 149 = 149 (Yes)

16) 481 = 13×37 (No)

17) 44 = 2×2×11 (No)

18) 281 = 281 (Yes)

19) 86 = 2×43 (No)

20) 199 = 199 (Yes)