Factoring numbers into primes factors (1–200)

Grade 6 Factoring Worksheet

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

1) 12 = _____

2) 55 = _____

3) 27 = _____

4) 75 = _____

5) 32 = _____

6) 64 = _____

7) 130 = _____

8) 98 = _____

9) 56 = _____

10) 122 = _____

11) 113 = _____

12) 186 = _____

13) 29 = _____

14) 33 = _____

15) 72 = _____

16) 24 = _____

17) 164 = _____

18) 45 = _____

19) 124 = _____

20) 156 = _____

Factoring numbers into primes factors (1–200)

Grade 6 Factoring Worksheet

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

1) 12 = 2×2×3 (No)

2) 55 = 5×11 (No)

3) 27 = 3×3×3 (No)

4) 75 = 3×5×5 (No)

5) 32 = 2×2×2×2×2 (No)

6) 64 = 2×2×2×2×2×2 (No)

7) 130 = 2×5×13 (No)

8) 98 = 2×7×7 (No)

9) 56 = 2×2×2×7 (No)

10) 122 = 2×61 (No)

11) 113 = 113 (Yes)

12) 186 = 2×3×31 (No)

13) 29 = 29 (Yes)

14) 33 = 3×11 (No)

15) 72 = 2×2×2×3×3 (No)

16) 24 = 2×2×2×3 (No)

17) 164 = 2×2×41 (No)

18) 45 = 3×3×5 (No)

19) 124 = 2×2×31 (No)

20) 156 = 2×2×3×13 (No)