



Factoring numbers into primes factors (1–200)

Grade 6 Factoring Worksheet

Factor the following numbers into prime factors.

Is the number prime?

1) $49 =$ _____ 2) $66 =$ _____

3) $11 =$ _____ 4) $68 =$ _____

5) $81 =$ _____ 6) $51 =$ _____

7) $80 =$ _____ 8) $7 =$ _____

9) $5 =$ _____ 10) $41 =$ _____

11) $169 =$ _____ 12) $180 =$ _____

13) $8 =$ _____ 14) $86 =$ _____

15) $91 =$ _____ 16) $96 =$ _____

17) $61 =$ _____ 18) $112 =$ _____

19) $77 =$ _____ 20) $83 =$ _____



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Grade 6 Factoring Worksheet

Factor the following numbers into prime factors.

Is the number prime?

1) $49 = 7 \times 7$ (No) 2) $66 = 2 \times 3 \times 11$ (No)

3) $11 = 11$ (Yes) 4) $68 = 2 \times 2 \times 17$ (No)

5) $81 = 3 \times 3 \times 3 \times 3$ (No) 6) $51 = 3 \times 17$ (No)

7) $80 = 2 \times 2 \times 2 \times 2 \times 5$ (No) 8) $7 = 7$ (Yes)

9) $5 = 5$ (Yes) 10) $41 = 41$ (Yes)

11) $169 = 13 \times 13$ (No) 12) $180 = 2 \times 2 \times 3 \times 3 \times 5$ (No)

13) $8 = 2 \times 2 \times 2$ (No) 14) $86 = 2 \times 43$ (No)

15) $91 = 7 \times 13$ (No) 16) $96 = 2 \times 2 \times 2 \times 2 \times 2 \times 3$ (No)

17) $61 = 61$ (Yes) 18) $112 = 2 \times 2 \times 2 \times 2 \times 7$ (No)

19) $77 = 7 \times 11$ (No) 20) $83 = 83$ (Yes)