



Factoring numbers into primes factors (<1,000)

Grade 6 Factoring Worksheet

Factor the following numbers into prime factors.

Is the number prime?

1) $57 =$ _____ 2) $104 =$ _____

3) $71 =$ _____ 4) $82 =$ _____

5) $201 =$ _____ 6) $113 =$ _____

7) $29 =$ _____ 8) $56 =$ _____

9) $461 =$ _____ 10) $44 =$ _____

11) $95 =$ _____ 12) $216 =$ _____

13) $523 =$ _____ 14) $643 =$ _____

15) $252 =$ _____ 16) $804 =$ _____

17) $27 =$ _____ 18) $900 =$ _____

19) $98 =$ _____ 20) $26 =$ _____



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Factor the following numbers into prime factors.

Is the number prime?

1) $57 = 3 \times 19$ (No) 2) $104 = 2 \times 2 \times 2 \times 13$ (No)

3) $71 = 71$ (Yes) 4) $82 = 2 \times 41$ (No)

5) $201 = 3 \times 67$ (No) 6) $113 = 113$ (Yes)

7) $29 = 29$ (Yes) 8) $56 = 2 \times 2 \times 2 \times 7$ (No)

9) $461 = 461$ (Yes) 10) $44 = 2 \times 2 \times 11$ (No)

11) $95 = 5 \times 19$ (No) 12) $216 = 2 \times 2 \times 2 \times 3 \times 3 \times 3$ (No)

13) $523 = 523$ (Yes) 14) $643 = 643$ (Yes)

15) $252 = 2 \times 2 \times 3 \times 3 \times 7$ (No) 16) $804 = 2 \times 2 \times 3 \times 67$ (No)

17) $27 = 3 \times 3 \times 3$ (No) 18) $900 = 2 \times 2 \times 3 \times 3 \times 5 \times 5$ (No)

19) $98 = 2 \times 7 \times 7$ (No) 20) $26 = 2 \times 13$ (No)