

Prime factors (numbers under 1,000)

Grade 5 Factoring Worksheet

Example: $24 = 2 \times 2 \times 2 \times 3$ (Not prime)

List the prime factors for each number. Is the number prime?

1) $293 =$ _____

2) $136 =$ _____

3) $311 =$ _____

4) $920 =$ _____

5) $914 =$ _____

6) $72 =$ _____

7) $555 =$ _____

8) $879 =$ _____

9) $771 =$ _____

10) $907 =$ _____

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Example: $24 = 2 \times 2 \times 2 \times 3$ (Not prime)

List the prime factors for each number. Is the number prime?

1) $293 = 293$ (Yes)

2) $136 = 2 \times 2 \times 2 \times 17$ (No)

3) $311 = 311$ (Yes)

4) $920 = 2 \times 2 \times 2 \times 5 \times 23$ (No)

5) $914 = 2 \times 457$ (No)

6) $72 = 2 \times 2 \times 2 \times 3 \times 3$ (No)

7) $555 = 3 \times 5 \times 37$ (No)

8) $879 = 3 \times 293$ (No)

9) $771 = 3 \times 257$ (No)

10) $907 = 907$ (Yes)