



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) $251 =$ _____

2) $495 =$ _____

3) $923 =$ _____

4) $888 =$ _____

5) $607 =$ _____

6) $15 =$ _____

7) $181 =$ _____

8) $240 =$ _____

9) $150 =$ _____

10) $273 =$ _____



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) $251 = 251$ (Yes)

2) $495 = 3 \times 3 \times 5 \times 11$ (No)

3) $923 = 13 \times 71$ (No)

4) $888 = 2 \times 2 \times 2 \times 3 \times 37$ (No)

5) $607 = 607$ (Yes)

6) $15 = 3 \times 5$ (No)

7) $181 = 181$ (Yes)

8) $240 = 2 \times 2 \times 2 \times 2 \times 3 \times 5$ (No)

9) $150 = 2 \times 3 \times 5 \times 5$ (No)

10) $273 = 3 \times 7 \times 13$ (No)