

## 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)  $273 =$  \_\_\_\_\_

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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)  $251 = 251$  (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)