



## Prime factors (numbers under 500)

### 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)  $360 =$  \_\_\_\_\_

2)  $321 =$  \_\_\_\_\_

3)  $107 =$  \_\_\_\_\_

4)  $119 =$  \_\_\_\_\_

5)  $206 =$  \_\_\_\_\_

6)  $313 =$  \_\_\_\_\_

7)  $221 =$  \_\_\_\_\_

8)  $222 =$  \_\_\_\_\_

9)  $37 =$  \_\_\_\_\_

10)  $243 =$  \_\_\_\_\_



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### 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)  $360 = 2 \times 2 \times 2 \times 3 \times 3 \times 5$  (No)

2)  $321 = 3 \times 107$  (No)

3)  $107 = 107$  (Yes)

4)  $119 = 7 \times 17$  (No)

5)  $206 = 2 \times 103$  (No)

6)  $313 = 313$  (Yes)

7)  $221 = 13 \times 17$  (No)

8)  $222 = 2 \times 3 \times 37$  (No)

9)  $37 = 37$  (Yes)

10)  $243 = 3 \times 3 \times 3 \times 3 \times 3$  (No)