



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. $38 =$ _____

2. $307 =$ _____

3. $62 =$ _____

4. $441 =$ _____

5. $329 =$ _____

6. $110 =$ _____

7. $424 =$ _____

8. $312 =$ _____

9. $442 =$ _____

10. $48 =$ _____



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. $38 = 2 \times 19$ (No) _____

2. $307 = 307$ (Yes) _____

3. $62 = 2 \times 31$ (No) _____

4. $441 = 3 \times 3 \times 7 \times 7$ (No) _____

5. $329 = 7 \times 47$ (No) _____

6. $110 = 2 \times 5 \times 11$ (No) _____

7. $424 = 2 \times 2 \times 2 \times 53$ (No) _____

8. $312 = 2 \times 2 \times 2 \times 3 \times 13$ (No) _____

9. $442 = 2 \times 13 \times 17$ (No) _____

10. $48 = 2 \times 2 \times 2 \times 2 \times 3$ (No) _____