



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. $411 =$ _____

2. $345 =$ _____

3. $477 =$ _____

4. $202 =$ _____

5. $140 =$ _____

6. $307 =$ _____

7. $294 =$ _____

8. $457 =$ _____

9. $164 =$ _____

10. $11 =$ _____



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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. $411 = 3 \times 137$ (No) _____

2. $345 = 3 \times 5 \times 23$ (No) _____

3. $477 = 3 \times 3 \times 53$ (No) _____

4. $202 = 2 \times 101$ (No) _____

5. $140 = 2 \times 2 \times 5 \times 7$ (No) _____

6. $307 = 307$ (Yes) _____

7. $294 = 2 \times 3 \times 7 \times 7$ (No) _____

8. $457 = 457$ (Yes) _____

9. $164 = 2 \times 2 \times 41$ (No) _____

10. $11 = 11$ (Yes) _____