



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. $116 =$ _____

2. $428 =$ _____

3. $87 =$ _____

4. $436 =$ _____

5. $68 =$ _____

6. $196 =$ _____

7. $305 =$ _____

8. $406 =$ _____

9. $202 =$ _____

10. $499 =$ _____



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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. $116 = 2 \times 2 \times 29$ (No) _____

2. $428 = 2 \times 2 \times 107$ (No) _____

3. $87 = 3 \times 29$ (No) _____

4. $436 = 2 \times 2 \times 109$ (No) _____

5. $68 = 2 \times 2 \times 17$ (No) _____

6. $196 = 2 \times 2 \times 7 \times 7$ (No) _____

7. $305 = 5 \times 61$ (No) _____

8. $406 = 2 \times 7 \times 29$ (No) _____

9. $202 = 2 \times 101$ (No) _____

10. $499 = 499$ (Yes) _____