



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. $303 =$ _____

2. $287 =$ _____

3. $132 =$ _____

4. $67 =$ _____

5. $483 =$ _____

6. $427 =$ _____

7. $294 =$ _____

8. $102 =$ _____

9. $298 =$ _____

10. $265 =$ _____



Prime factors (numbers under 500)

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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. $303 = 3 \times 101$ (No) _____

2. $287 = 7 \times 41$ (No) _____

3. $132 = 2 \times 2 \times 3 \times 11$ (No) _____

4. $67 = 67$ (Yes) _____

5. $483 = 3 \times 7 \times 23$ (No) _____

6. $427 = 7 \times 61$ (No) _____

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

8. $102 = 2 \times 3 \times 17$ (No) _____

9. $298 = 2 \times 149$ (No) _____

10. $265 = 5 \times 53$ (No) _____