



Prime factors (numbers under 100)

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) $17 =$ _____

2) $98 =$ _____

3) $49 =$ _____

4) $30 =$ _____

5) $63 =$ _____

6) $10 =$ _____

7) $89 =$ _____

8) $8 =$ _____

9) $12 =$ _____

10) $51 =$ _____



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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) $17 = 17$ (Yes)

2) $98 = 2 \times 7 \times 7$ (No)

3) $49 = 7 \times 7$ (No)

4) $30 = 2 \times 3 \times 5$ (No)

5) $63 = 3 \times 3 \times 7$ (No)

6) $10 = 2 \times 5$ (No)

7) $89 = 89$ (Yes)

8) $8 = 2 \times 2 \times 2$ (No)

9) $12 = 2 \times 2 \times 3$ (No)

10) $51 = 3 \times 17$ (No)