

LESSON
1

Number Theory and Fractions

Puzzles, Twisters & Teasers: Get Cooking

For each number in the left-hand column, there is matching prime factorization in the right-hand column.

Use a straight edge to connect the numbers on the left to the correct factorizations on the right. Each line will pass through a letter in the center. Factorizations may be used more than once.

Fill in the letters below to solve the riddle.

- | | | | |
|----|-----|---|---|
| 1. | 56 | | $3 \times 3 \times 5 \times 5$ |
| 2. | 225 | I | $2 \times 3 \times 7 \times 7$ |
| 3. | 61 | M | $2 \times 2 \times 2 \times 7$ |
| 4. | 294 | T | $3 \times 3 \times 3 \times 37$ |
| 5. | 999 | P | prime |
| 6. | 77 | A | $2 \times 3 \times 3 \times 3 \times 5$ |
| 7. | 41 | E | 7×11 |
| | | S | |
| | | T | |
| | | D | |
| | | B | |
| | | R | |

What did the whole number serve at his family barbecue?

- | | | | | |
|---|---|---|---|---|
| 4 | 6 | 2 | 1 | 3 |
| 6 | 2 | 7 | 5 | |



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