

## Guessing a Number

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Imagine that someone else chooses a number between 1 and 31 (inclusive). That person does not tell you the number, but will tell you on which of the five sheets the number resides. (The five sheets are shown on the right.)

You can identify the number with absolute certainty, and with a near instantaneous response.

How is this possible? The answer has to do with the binary number system.

