

Variant I: Estimation

Preparations: All cards are shuffled and placed as a deck (face down) on the table.

How to play: The players take clockwise turns: Each picks up a card from the deck and reads aloud the estimation task (unit included!) from that card. The remaining players write their estimates on a piece of paper. At a sign all estimates are revealed. The player whose estimate is closest to the correct result gains the card. If several players place the same estimate another card has to be played.

Variant: Got no pen and paper? Simply make your estimates one after another. Can you place a more precise estimate than your predecessor?

Game Goal: The game is over when all cards have been played. Each player counts the points on his/her cards (top right). The player with the highest number of points wins the game.

Variante 3: More or less?

Preparations: All cards are shuffled and placed as a deck (face down) on the table.

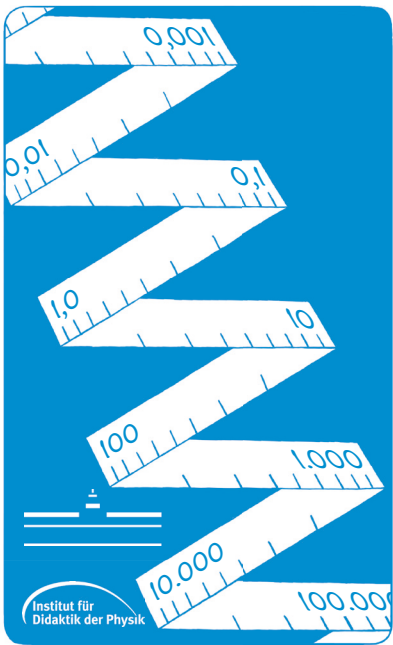
How to play: The players take clockwise turns: Each picks up a card from the deck and reads aloud the estimation task (unit included!) from that card. The remaining players individually decide which task has the greater value as a result. At a sign they show their decision:

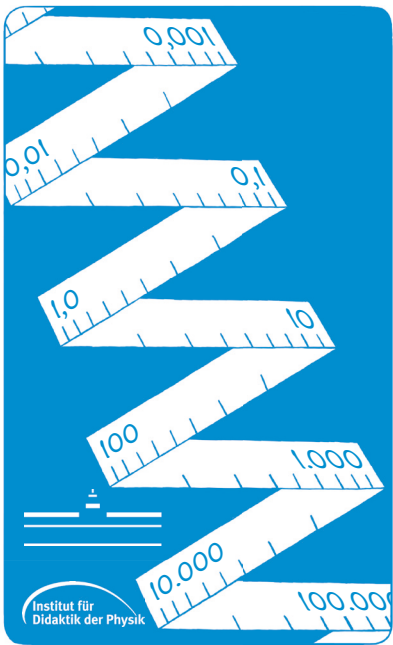
👍 card I has the greater value as a result

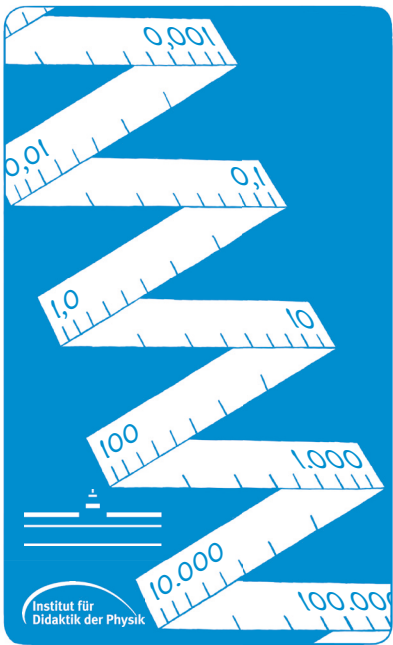
👎 card I has the smaller value as a result

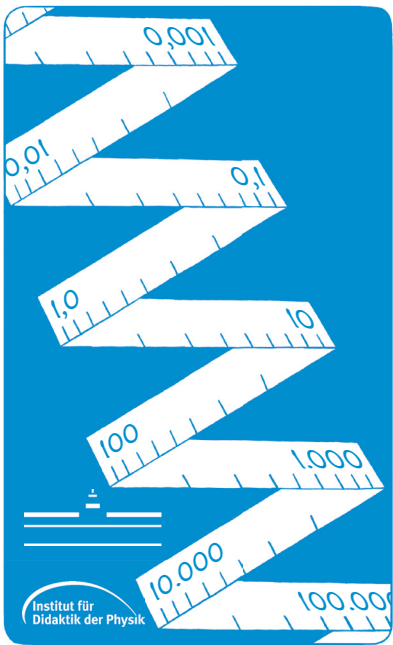
Players who have responded incorrectly are eliminated from this round of the game. This is repeated until only one player is left. He/She gains all cards from that round.

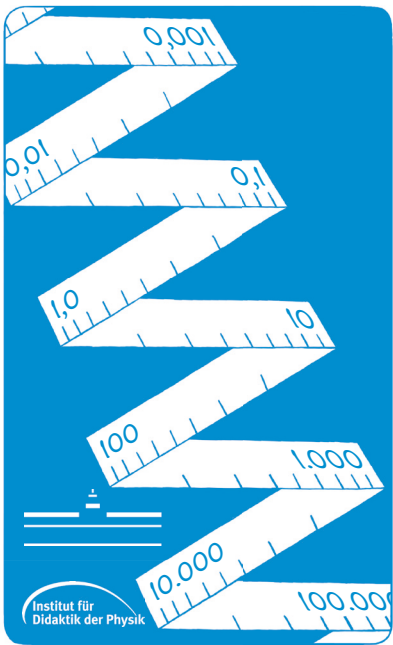
Game Goal: The game is over when all cards have been played. The player who managed to gain most cards wins the game.

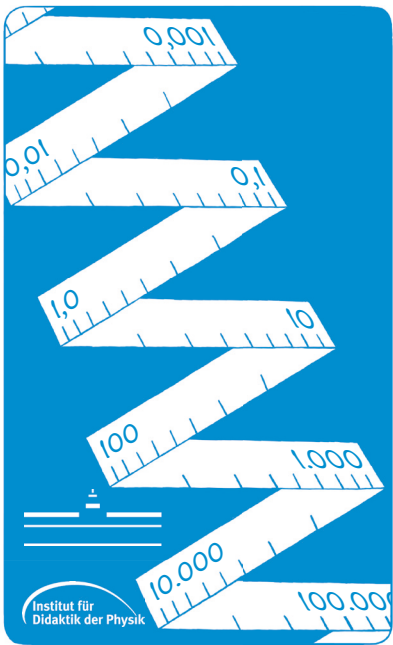


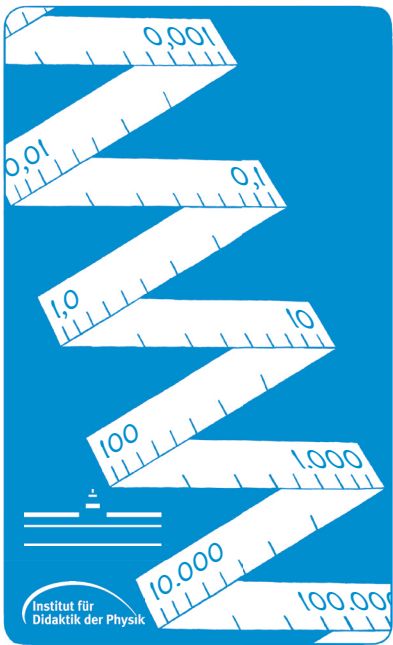


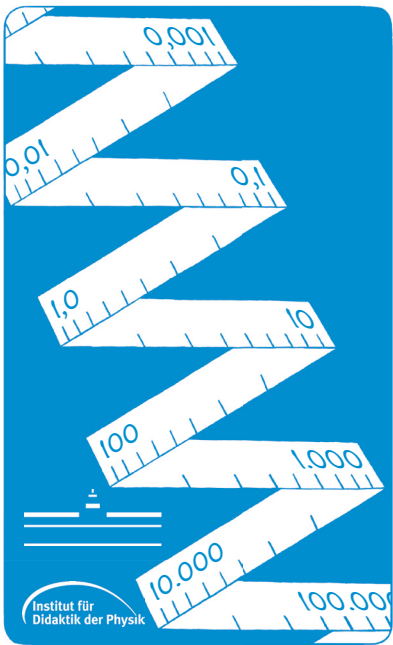


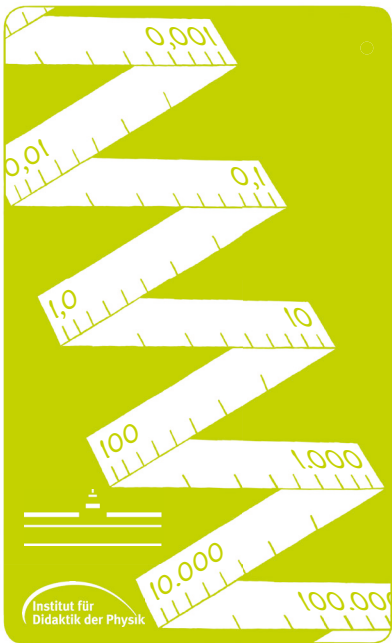


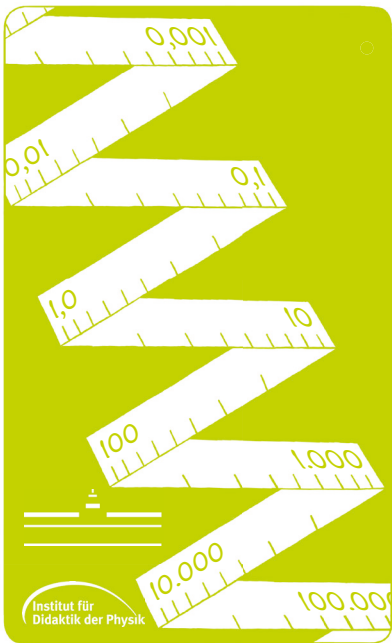


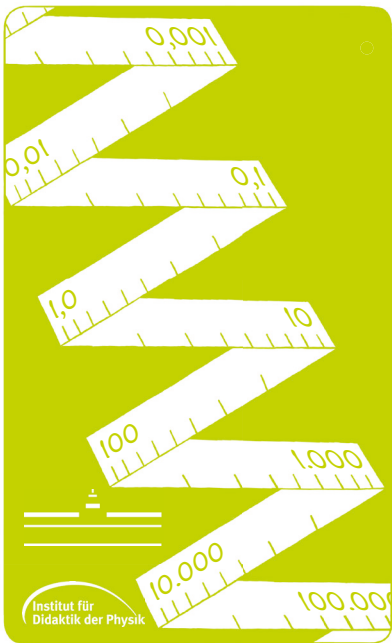


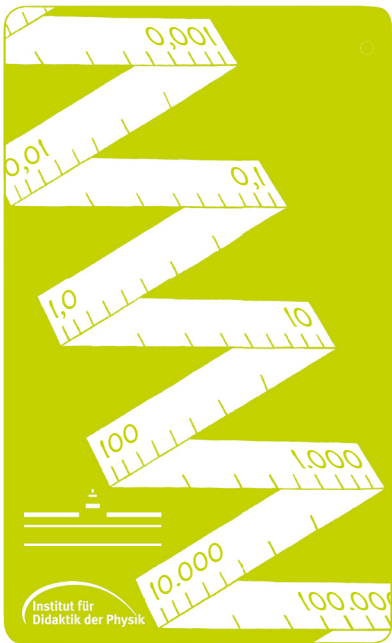


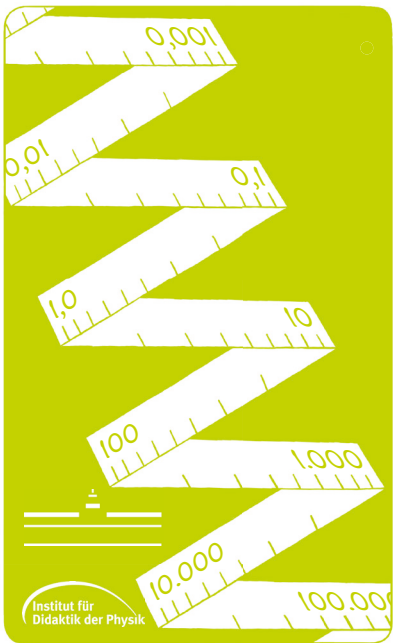




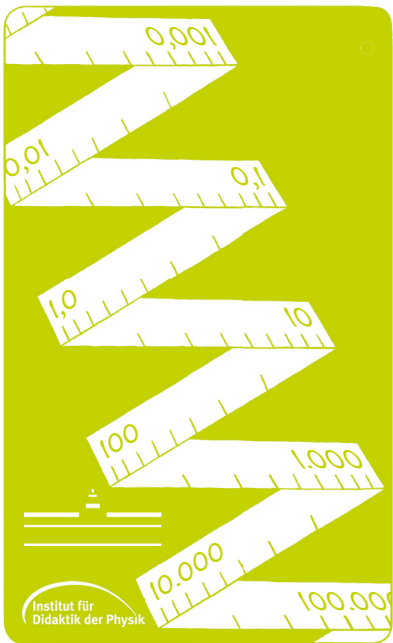




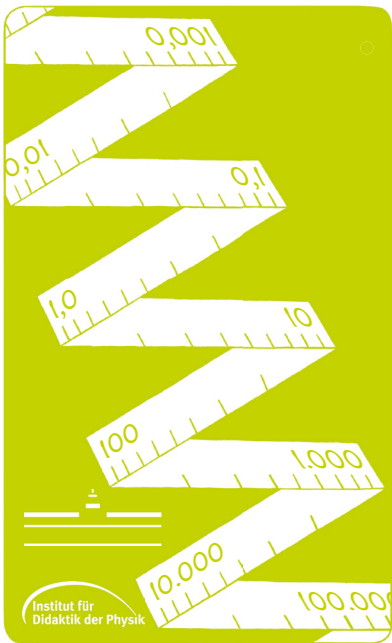


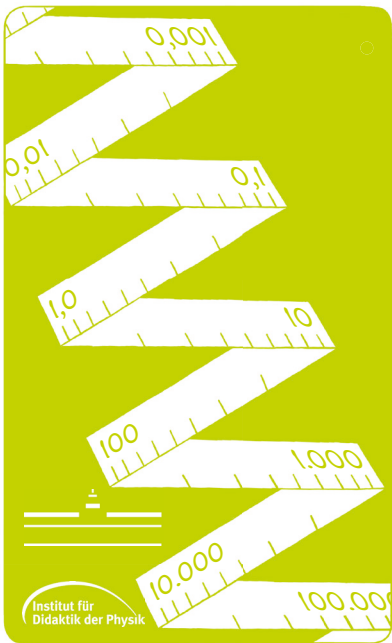


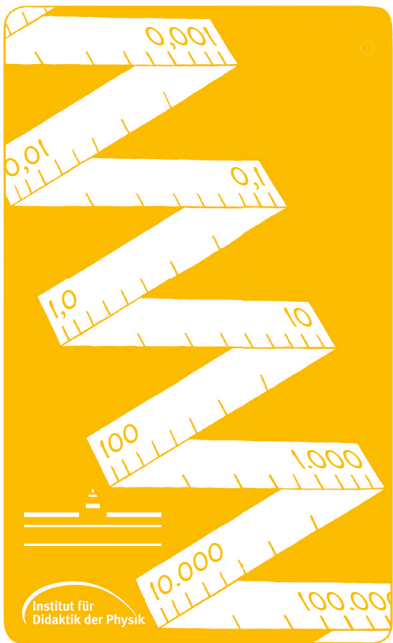
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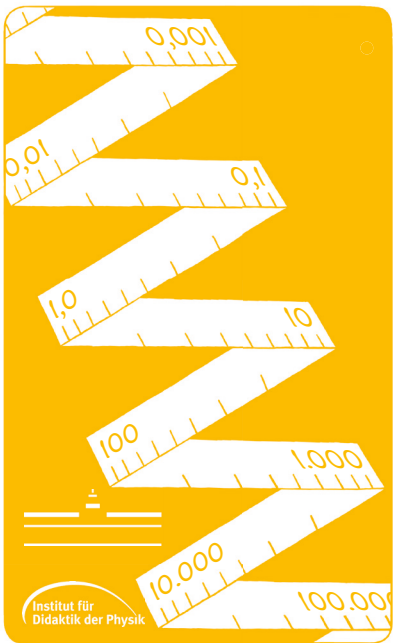
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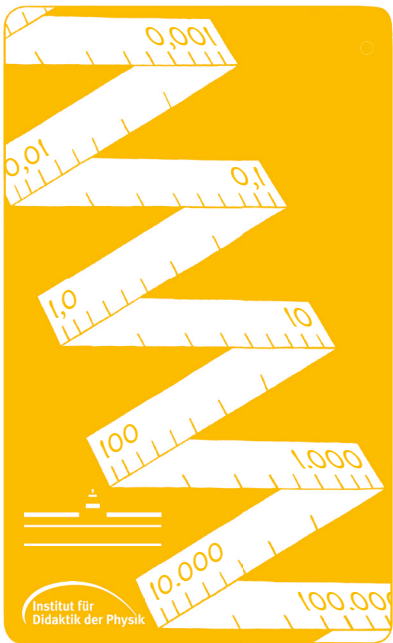




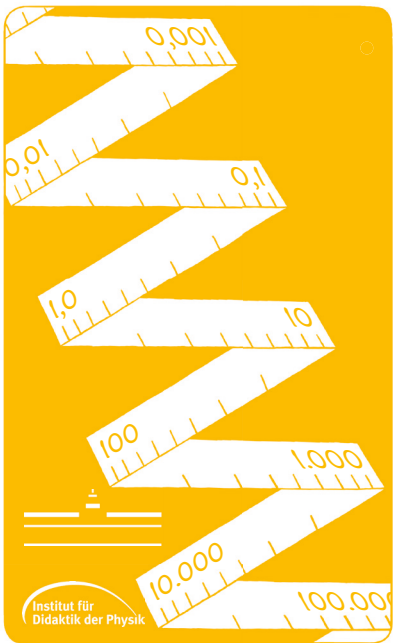
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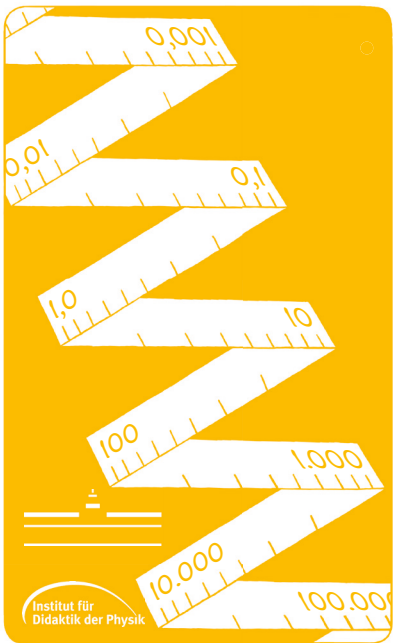
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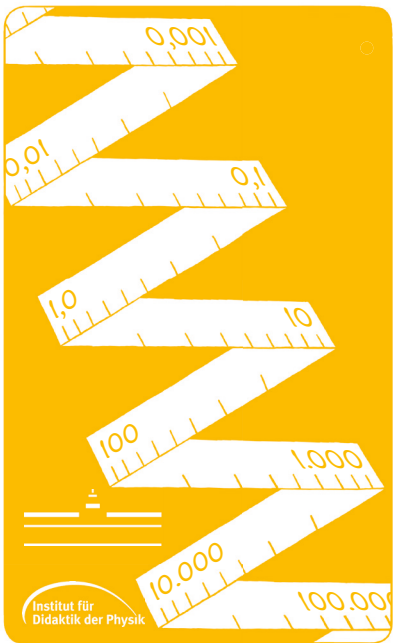
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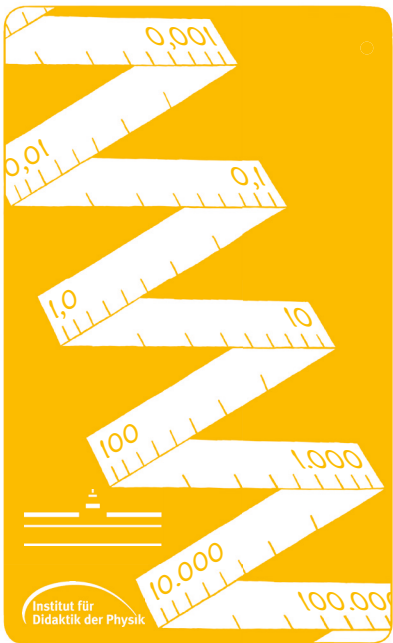
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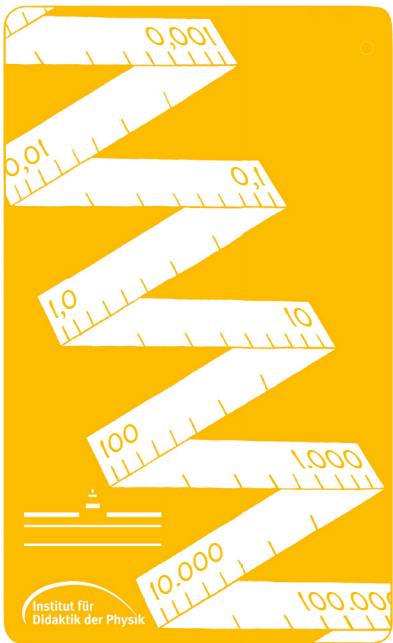
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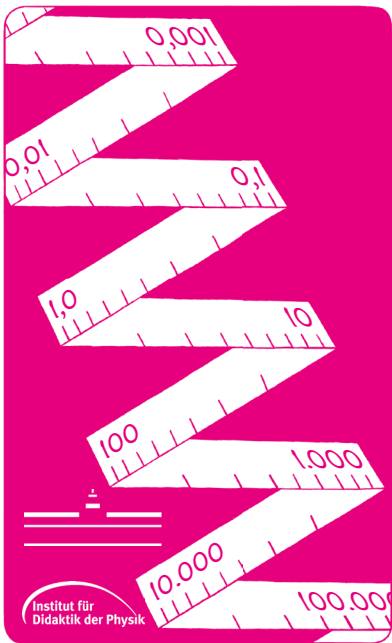
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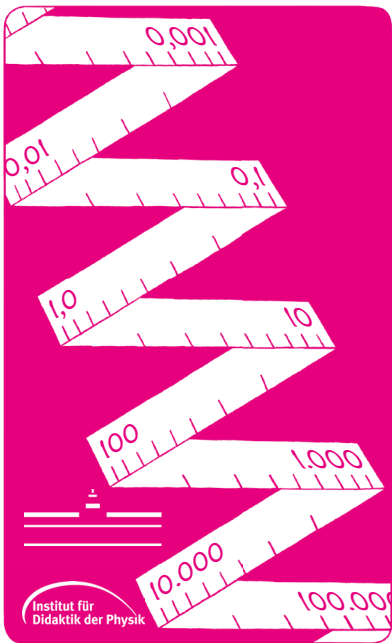


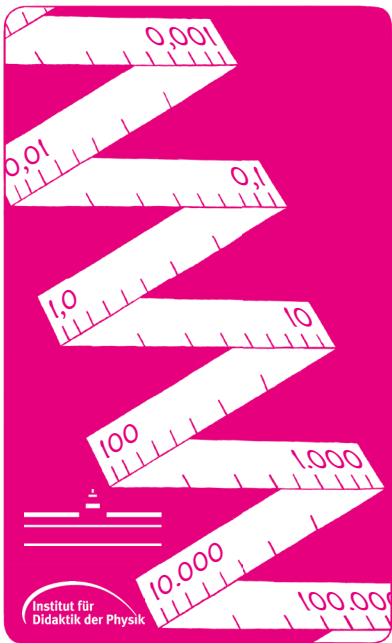
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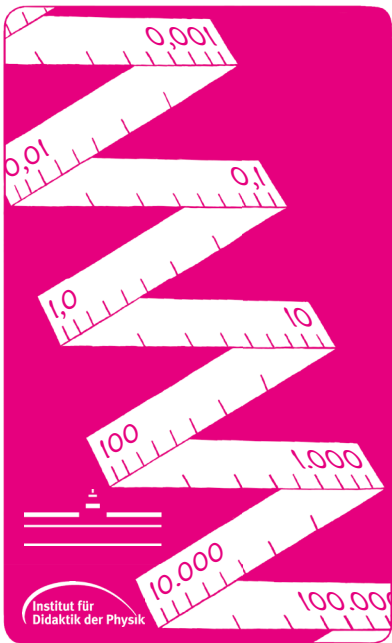


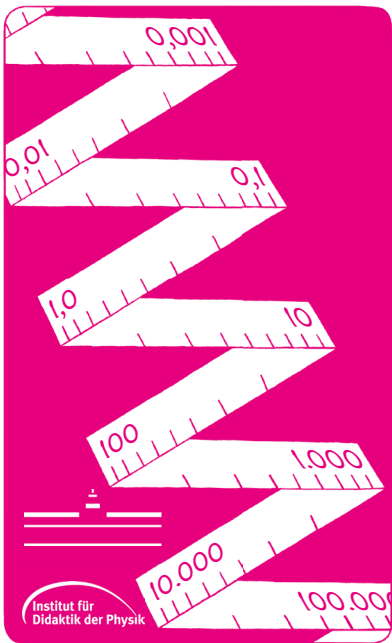
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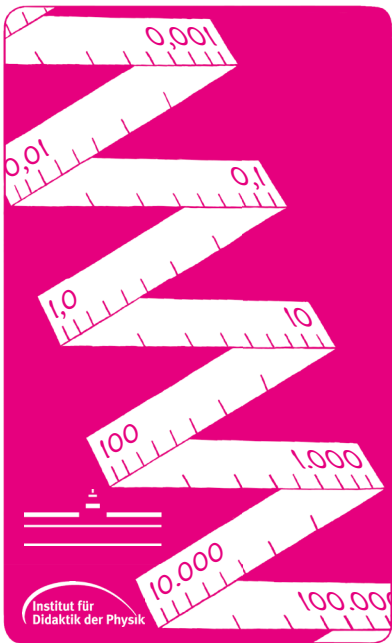


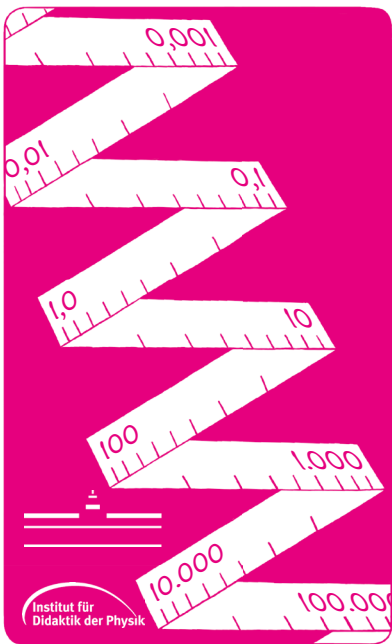


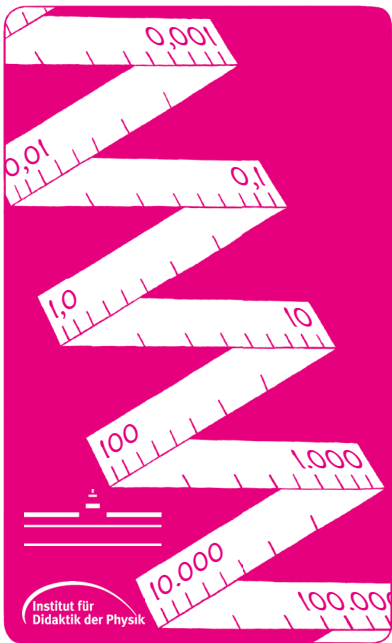












Number of players: 2 to 6

Ages: 12 years up

Duration of the game: 15 to 30 min

Idea: Institut für Didaktik der Physik
Westfälische Wilhelms-Universität
Münster

Illustration: Charlotte Hintzmann

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