

Ordering Logarithms

Students receive the cards below and are required to put the cards into order, starting with the smallest value first. Obviously students are expected not to use a calculator initially. Once complete, students may use a calculator to check each other's solution.

To transform this activity into a group or whole class activity use large cards pegged up onto a piece of string across the classroom and ask students to take it in turns to move one card. Alternatively the expressions could be put onto an interactive whiteboard and moved around in a similar way.

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| $\log_8 600$ | $\log_4 8$ | $\log_9 9$ |
| $\log_3 81$ | $\log_7 50$ | $\log_{10} 1000$ |
| $\log_6 36$ | $\log_2 \frac{1}{4}$ | $\log_4 1$ |
| $\log_5 \frac{1}{5}$ | $\log_3 26$ | $\log_2 32$ |