

calc_decimal_example

Student Group

First Name	Surname	Matrikel Nr.

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\color{white}{\text{numerals}:} & \color{white}{z_i} & \color{white}{2} & \color{white}{6} &
\color{white}{5} & \color{white}{8} & \color{white}{4} & \color{white}{7} \\
\color{white}{\text{calc}.:} & \color{white}{z_i \cdot B^i} & \color{white}{2000} &
\color{white}{600} & \color{white}{50} & \color{white}{8} & \color{white}{0.4} &
\color{white}{0.07} \\ \color{white}{\text{result}:} & \color{white}{\sum_i z_i \cdot B^i} & & &
\color{white}{2658.47} \\ \end{smallmatrix} \end{align*} First: But space between the numerals to
see the thousands, hundreds, tens, ones, tenths, hundredths

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\begin{align*} \begin{smallmatrix} \color{white}{\text{number}:} & \color{white}{} &
\color{white}{2} & \color{white}{6} & \color{white}{5} & \color{white}{8.} & \color{white}{4} &
\color{white}{7} \\ \color{white}{\text{index}:} & \color{white}{i} & \color{white}{3} &
\color{white}{2} & \color{white}{1} & \color{white}{0} & \color{white}{-1} & \color{white}{-2} \\
\color{white}{\text{place value}:} & \color{white}{B^i} & \color{white}{10^3} &
\color{white}{10^2} & \color{white}{10^1} & \color{white}{10^0} & \color{white}{10^{-1}} &
\color{white}{10^{-2}} \\ \color{white}{} & \color{white}{} & \color{white}{1000} &
\color{white}{100} & \color{white}{10} & \color{white}{1} & \color{white}{0.1} &
\color{white}{0.01} \\ \color{white}{\text{numerals}:} & \color{white}{z_i} & \color{white}{2} &
\color{white}{6} & \color{white}{5} & \color{white}{8} & \color{white}{4} & \color{white}{7} \\
\color{white}{\text{calc}.:} & \color{white}{z_i \cdot B^i} & \color{white}{2000} &
\color{white}{600} & \color{white}{50} & \color{white}{8} & \color{white}{0.4} &
\color{white}{0.07} \\ \color{white}{\text{result}:} & \color{white}{\sum_i z_i \cdot B^i} & & &
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\begin{align*} \begin{smallmatrix} \color{blue }{\text{number}:} & \color{blue }{} & \color{blue
}{2} & \color{blue }{6} & \color{blue }{5} & \color{blue }{8.} & \color{blue }{4} &
\color{blue }{7} \\ \color{blue }{\text{index}:} & \color{blue }{i} & \color{blue }{3} &
\color{blue }{2} & \color{blue }{1} & \color{blue }{0} & \color{blue }{-1} & \color{blue }{-2} \\
\color{blue }{\text{place value}:} & \color{blue }{B^i} & \color{blue }{10^3} &
\color{blue }{10^2} & \color{blue }{10^1} & \color{blue }{10^0} & \color{blue }{10^{-1}} &
\color{blue }{10^{-2}} \\ \color{blue }{} & \color{blue }{} & \color{blue }{1000} &
\color{blue }{100} & \color{blue }{10} & \color{blue }{1} & \color{blue }{0.1} &
\color{blue }{0.01} \\ \color{blue }{\text{numerals}:} & \color{blue }{z_i} & \color{blue }{2} &
\color{blue }{6} & \color{blue }{5} & \color{blue }{8} & \color{blue }{4} & \color{blue }{7} \\
\color{blue }{\text{calc}.:} & \color{blue }{z_i \cdot B^i} & \color{blue }{2000} &
\color{blue }{600} & \color{blue }{50} & \color{blue }{8} & \color{blue }{0.4} &
\color{blue }{0.07} \\ \color{blue }{\text{result}:} & \color{blue }{\sum_i z_i \cdot B^i} & & &
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\begin{align*} \begin{smallmatrix} \color{black }{\text{number}:} & \color{black }{} &
\color{black }{2} & \color{black }{6} & \color{black }{5} & \color{black }{8.} & \color{black }{4} &
\color{black }{7} \\ \color{black }{\text{index}:} & \color{black }{i} & \color{black }{3} &
\color{black }{2} & \color{black }{1} & \color{black }{0} & \color{black }{-1} & \color{black }{-2} \\
\color{black }{\text{place value}:} & \color{black }{B^i} & \color{black }{10^3} &
\color{black }{10^2} & \color{black }{10^1} & \color{black }{10^0} & \color{black }{10^{-1}} &
\color{black }{10^{-2}} \\ \color{black }{} & \color{black }{} & \color{black }{1000} &
\color{black }{100} & \color{black }{10} & \color{black }{1} & \color{black }{0.1} &
\color{black }{0.01} \\ \color{black }{\text{numerals}:} & \color{black }{z_i} & \color{black }{2} &
\color{black }{6} & \color{black }{5} & \color{black }{8} & \color{black }{4} & \color{black }{7} \\
\end{smallmatrix} \end{align*}

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