

# calc\_decimal\_example

## Student Group

First Name	Surname	Matrikel Nr.

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```
\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}{ } & \color{black}{1000} &
\color{black}{100 } & \color{black}{10 } & \color{black}{1 } & \color{black}{0.1 } &
\color{black}{0.01 } \\ \color{black}{\text{digit}}: & \color{black}{z_i} & \color{black}{2} &
\color{black}{6} & \color{black}{5} & \color{black}{8 } & \color{black}{4} & \color{black}{7} \\
\color{black}{\text{calc.}}: & \color{black}{z_i \cdot B^i} & \color{black}{2000} &
\color{black}{600} & \color{black}{50} & \color{black}{8 } & \color{black}{0.4} &
\color{black}{0.07} \\ \color{black}{\text{result}}: & \color{black}{\sum_i z_i \cdot B^i } & &
\color{black}{2658.47} \\ \end{smallmatrix} \end{align*}
```

```
\begin{align*} \begin{smallmatrix} \color{blue }{\text{value}}: & \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{digit}}: & \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 } & & & & & &
\color{blue }{2658.47} \\ \end{smallmatrix} \end{align*}
```

```
\begin{align*} \begin{smallmatrix} \color{white }{\text{value}}: & \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{digit}}: & \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*}
```

value		2	6	5	8 ,	4	7	
index	i\$	3	2	1	0	-1	-2	
\$\quad\quad\$	\$\quad\quad\$	\$\quad\quad\$	\$\quad\quad\$	\$\quad\quad\$	\$\quad\quad\$	\$\quad\quad\$	\$\quad\quad\$	\$\quad\quad\$
\$\quad\quad\$	\$\quad\quad\$	\$\quad\quad\$	\$\quad\quad\$	\$\quad\quad\$	\$\quad\quad\$	\$\quad\quad\$	\$\quad\quad\$	\$\quad\quad\$
\$\quad\quad\$	\$\quad\quad\$	\$\quad\quad\$	\$\quad\quad\$	\$\quad\quad\$	\$\quad\quad\$	\$\quad\quad\$	\$\quad\quad\$	\$\quad\quad\$
\$\quad\quad\$	\$\quad\quad\$	\$\quad\quad\$	\$\quad\quad\$	\$\quad\quad\$	\$\quad\quad\$	\$\quad\quad\$	\$\quad\quad\$	\$\quad\quad\$

