

$$200_{10} \rightarrow 5_{er}$$

625	125	25	5	1
	1	3	0	0
			2	4

$$200_{10} = 1 \cdot 125 + 75$$

$$1 \cdot 125 + 3 \cdot 25 = 1300_5$$

$$1324_5 = 214_{10}$$

$$214 = 42 \cdot 5 + 4 \uparrow$$

$$42 = 8 \cdot 5 + 2$$

$$8 = 1 \cdot 5 + 3$$

$$1 = 0 \cdot 5 + 1$$

$$1324_5$$

$$1823_{10} \rightarrow 9_{er}$$

Divisionsalgorithm.

$$1823 = 202 \cdot 9 + 5$$

$$202 = 22 \cdot 9 + 4$$

$$22 = 2 \cdot 9 + 4$$

$$2 = 0 \cdot 9 + 2$$

$$1823_{10} = 2445_9$$

16er Ziffern 0, 1, 2 ... 9, A, B, C, D, E, F
_{10, 11, 12, 13, 14, 15}

$$16er: 2AF_{16} = 15 \cdot 1 + 10 \cdot 16 + 2 \cdot 256 = 687_{10}$$

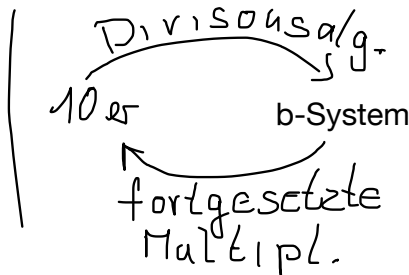
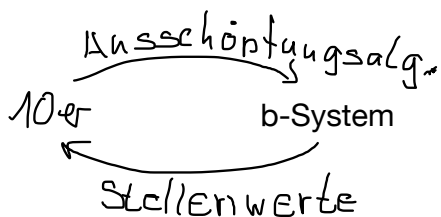
16^3	16^2	16	1
	2	A	F

$$687_{10} = 42 \cdot 16 + 15 \uparrow$$

$$42 = 2 \cdot 16 + 10$$

$$2 = 0 \cdot 16 + 2$$

$$2AF_{16}$$



$$2 \cdot 16 \rightarrow 32 + A \rightarrow 42 \cdot 16 \rightarrow 672 + F \rightarrow 687$$

~~$$2 \cdot 16 = 32 + 10 = 42 \cdot 16 = 672$$~~

$1234_{10} \rightarrow$ 4er Divisionsalg.
 \leftarrow fortges. Matk.

$$1234 = 308 \cdot 4 + 2$$

$$308 = 77 \cdot 4 + 0 \quad 1234_{10} = 103102_4$$

$$77 = 19 \cdot 4 + 1$$

$$19 = 4 \cdot 4 + 3$$

$$4 = 1 \cdot 4 + 0$$

$$1 = \underline{0} \cdot 4 + 1$$

$$1 \xrightarrow{\cdot 4 + 0} 4 \xrightarrow{\cdot 4} 16 \xrightarrow{+ 3} 19 \xrightarrow{\cdot 4} 76 \xrightarrow{+ 1} 77 \xrightarrow{\cdot 4} 308$$

$$\xrightarrow{+ 0} 308 \xrightarrow{\cdot 4} 1232 \xrightarrow{+ 2} 1234$$

$$\begin{array}{r} 123_4 \\ + 203_4 \\ \hline 332_4 \end{array}$$

$$\begin{array}{r} 345_6 \\ + 452_6 \\ \hline 1241_6 \end{array}$$

$$\begin{array}{r} 253_6 \\ + 134_6 \\ + 242_6 \\ \hline 1113 \end{array}$$

$$\begin{array}{r} 1202_9 \\ - 387_9 \\ \hline 704_9 \end{array}$$