Chapter 1 Summary:

Tuesday, September 10, 2019 10:47 AM

convert from other base to decinal

expension method

$$132_{4} = 1 \times 4^{2} + 3 \times 4^{1} + 2 \times 4^{6}$$

$$= 30_{10}$$

convert from decimal to other base

repeated division

convert between binary \Leftrightarrow octal \Leftrightarrow hexadecimal (bases that are a power of 2)

note: it is important that you know when to use each method!