## Base Coversions 1) 127,0 -7 7F16 -7 0111 11112 -> 1778

$$0 \times 16^{2} + 7 \times 16^{1} + 15 \times 16^{\circ}$$
= 112 + 15 = 127

$$\frac{0|0|0|}{2} = -25_8$$

Paris All Labora	
****	4) AB16 -> 1010 10112 -> 253 -> 171
	1010 10112
	<u>01010 1011</u> = 253 <sub>8</sub>
	2×82+5×81+3×8°
	128 + 40 + 3 = 17110
-	
, was a solution	

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## Basc Conversions

$$5274 = 5 \times 8^{3} + 2 \times 8^{2} + 7 \times 8^{1} + 4 \times 8^{0}$$

$$= 2560 + 128 + 56 + 4$$

$$= 2748$$

$$154_{8} = 1 \times 8^{2} + 6 \times 8^{4} + 4 \times 8^{0}$$

$$= 64 + 40 + 4$$

$$= 108_{10}$$

4) 
$$85_{10} - 7 = 55_{16} - 701010101_2 - 7 = 125_8$$

$$0 \times 16^2 + 5 \times 16^2 + 5 \times 16^6$$

$$80 + 5 = 85$$

$$5 = 5_{16}$$

$$01010101_2$$

$$0 = 01010101_2$$

$$5) 762_{10} - 7 = 2 + A_{16} - 7 = 2010 = 1111 = 1010_2 - 7 = 1372_8$$

$$2 \times 16^2 + 15 \times 16^2 + 10 \times 16^6$$

$$= 512 + 240 + 10 = 762$$

$$2 + A_{16}$$

$$0010 = 1111 = 1010_2$$

$$0010 = 1111 = 1010$$

$$1 = 3 = 7 = 2 = 1372_8$$