Base Base Base Base 10 $\frac{127}{10} = \frac{1111111}{2} = \frac{177}{177} = \frac{77}{177} = \frac{1111111}{177} = \frac{177}{177} = \frac{177}{171} = \frac{111001}{171} = \frac{171}{171} = \frac{111001}{171} = \frac{171}{171} = \frac{111001}{171} = \frac{11$

Additional Problems from Class
(I reviewed the video and didn't see thear anything about assigned problems, so these are the ones you went over (except 123, which you did in the pdf for this assignment).

Base Base Base Base 10° 2 8 16° 5 = 10° = 5° = 5°

Additional pages show the work

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1st Row 127, = 64+32+16+8+4+2+1
                     =1.26+1.25+1.24+1.23+1.22+1.21+1.20
              \frac{1111111_2 = 001111111_2}{777} = 1778
\frac{1111111_2 = 01111111_2}{7} = 7F_{10}
 2nd Row
             101012=24+22+20=1610+410+110=2110
              \frac{10101_2 = 010}{2} \frac{101_2}{5} = 25_8
              101012 = 0001 01012 = 1516
3rd Row 7/8 = 111 00/2
             \frac{111001_2 = 0011 \ 1001_2 = 39_{10}}{3 \ 9}
\frac{111001_2 = 2^5 + 2^4 + 2^3 + 2^0 = 32 + 16 + 8 + 1 = 57_{10}}{3}
4th Row AB16 = 1010 10112
             101010112 = 010 101 0112 = 2538
             253
|0|0|0|1_2 = 2^7 + 2^5 + 2^3 + 2^1 + 2^0 = |28 + 32 + 8 + 2 + | = |7|_{10}
```

In-class conversions (I couldn't find anything in the video and didn't see anything where you asked us to do it except 1232 which isn't a real number. However you went over converting the below values.)

 $|0|_2 = 2^2 + 2^\circ = 4 + 1 = 5_p$ $|0|_2 = 5_8$ $|0|_2 = 0|0|_2 = 5_{16}$

 $\begin{aligned} & |A2|_{16} = 0001 \ 1010 \ 0010_{2} = |10100010_{2} \\ & |A| \ 2 \\ & |101000010_{2} = |101000010_{2} = |442_{8}| \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \ 2 \\ & |4| \$

 $ABC_{16} = 1010 \ 1011 \ 1100_{2}$ $101010111100_{2} = 101 \ 010 \ 111 \ 100_{2} = 5274_{8}$ $5 \ 2 \ 7 \ 4$ $101010111100_{2} = 2'' + 2^{9} + 2^{7} + 2^{5} + 2'' + 2^{3} + 2^{2}$ = 2,048 + 512 + 128 + 32 + 16 + 8 + 4 $= 2,748_{10}$