(a)
$$(76.5)_{10} = (7)_{8}$$

8 $|76 \\ 8 | 9 \\ 1 | 1 | 1 | 4.0$

(d) $(46.45)_{10} = (7)_{8}$

8 $|46 \\ 8 | 5 | 6 \\ 0 | 5 | 1 | 3.60$
 $|4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\ |4.8 \\$

(e)
$$(231.78)_{10} = (?)_8$$

8 231

8 28

7 $\times 8$

8 3

0 3
 $\times 8$
 $\times 8$

(a) Place 16
(b)
$$(245) \cdot 0 = (7)_{16}$$

 $16 \quad | 15 | 5 = 5 \\ 16 \quad | 15 | 5 = F |$
(b) $(461) \cdot 0 = (7)_{16}$
 $16 \quad | 16 | 12 = 0 \\ 16 \quad | 16 | 12 = 0 \\ 16 \quad | 16 | 12 = 0 \\ 16 \quad | 16 | 12 = 0 \\ 16 \quad | 16 | 12 = 1 \\ 16 \quad | 16 | 12 = 1 \\ 16 \quad | 16 | 12 = 1 \\ 16 \quad | 16 | 14 = 1 \\ 16 \quad | 16 \mid 12 \cdot 48 = 16$
(c) $(731.78)_{16}$
 $(8) (231.78)_{16} = (7)_{16}$
 $(9) (231.78)_{16} = (7)_{16}$
 $(16) (231.78)_{16} = (7)_{16}$
 $(16) (231.78)_{16} = (7)_{16}$
 $(16) (231.78)_{16}$
 $(16) (231.78)_{16}$
 $(16) (231.78)_{16}$
 $(16) (231.78)_{16}$
 $(16) (231.78)_{16}$
 $(16) (231.78)_{16}$

(f) $(1023.25)_{10} = (?)_{16}$

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. 25 x 16

=(3FF.4)1