

$$11001001 \xrightarrow{\text{منقسم ۱}} - (00110110) = -58 \quad +4 \quad \text{سوال ۱۳ (الف)}$$

$$11001001 \xrightarrow{\text{منقسم ۲}} - (00110111) = -59 \quad +4 \quad \text{(ب)}$$

$$1100.1001 \longrightarrow 2^3 + 2^2 + 2^{-1} + 2^{-4} = 8 + 4 + \frac{1}{2} + \frac{1}{16} \quad \text{(ج)}$$

$$8 + 4 + \frac{1}{2} + \frac{1}{16} = \frac{128 + 64 + 8 + 1}{16} = \frac{201}{16} = 12, 5625 \quad +6$$

+1

$$1100.1001 \xrightarrow{\text{منقسم ۲}} - (0111.0111) = - (2^2 + 2^1 + 2^0 + 2^{-2} + 2^{-3} + 2^{-4}) \quad \text{(د)}$$

$$= - (4 + 2 + 1 + \frac{1}{2} + \frac{1}{4} + \frac{1}{16}) = - \frac{64 + 32 + 16 + 8 + 4 + 1}{16} = \frac{-119}{16} = -7, 4375 \quad +3$$

0011.0111 => -3.4375

-2