

# LOGARITMA

1.  $8_{\log 32} = 2^3 \log 2^5$

$$= \frac{\square}{\square} 2_{\log 2} \quad (\text{ingat sifat ke-6})$$

$$= \frac{\square}{3} ()$$

$$= \frac{\square}{\square}$$

2.  $10_{\log 100} =$

Jawab:  $10_{\log 100} = 10_{\log \square^2}$   
 $= 2 \times 10_{\log \square}$   
 $= 2 \times \dots$   
 $= \dots$

3. Diketahui  $2_{\log 8} = m$  .  $2_{\log 7} = n$

Tentukan nilai dari  $16_{\log 14} = \dots$

Jawab :  $16_{\log 14} = \frac{\log \square}{\log \square}$

$$= \frac{\square \log \square}{\square \log \square}$$

$$= \frac{\square \log (\times)}{\square \log (\times)}$$

$$= \frac{\square \log \square + \square \log \square}{\square \log \square + \square \log \square}$$

$$= \frac{\dots + \dots}{\dots + \dots}$$

$$= \frac{\dots + \dots}{\dots + \dots}$$

$$= \dots$$

$$= \dots$$

4.  $2_{\log 16} + 2_{\log 8} = \dots$

Jawab :  $2_{\log 16} + 2_{\log 8} = \square_{\log \times}$   
 $= 2_{\log \square}$   
 $= 2_{\log 2^{\square}}$   
 $= \times \log \square$   
 $= \dots \times \dots$   
 $= \dots$

Nama Anggota Kelompok