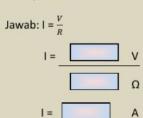




A.	Lengkapilah	kotak-kotak	berikut denga	n angka (H	ANYA ANGKA)	vang tepat!
----	-------------	-------------	---------------	------------	-------------	-------------

1000						
1.	Sebuah telepon seluler bertegangan 24 volt, dan memiliki hambatan 48 Ω . Kuat arus yang					
	ada pada telepon seluler tersebut adalahA					
	Diketahui: V = V					
	R= Ω					
	Ditanyakan: I =A?					

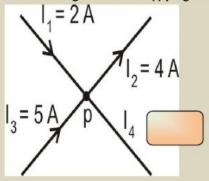


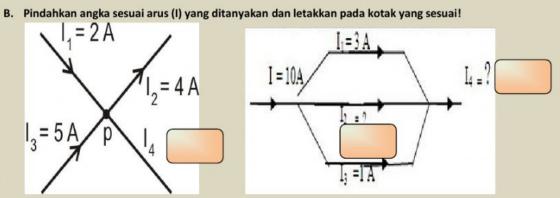
2. Tentukan tegangan listrik suatu rangkaian listrik dimana arus yang mengalir sebesar 2 A resistor yang dipasang sebesar 30 Ω !

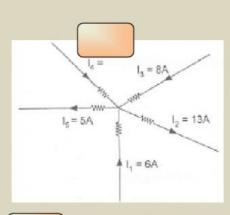
Diketahui: I =		A
R=		C
Ditanyakan: V =	=V?	

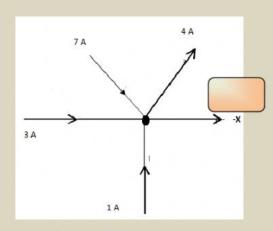
Jawab: V = I.R

V =





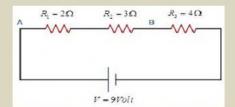


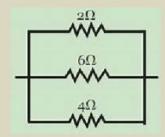


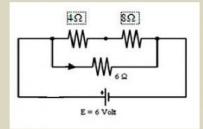
10

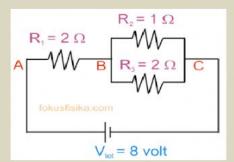
6

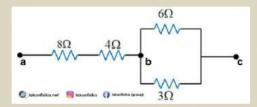
C. Tarik garis sesuai besar hambatan pengganti yang sesuai!

















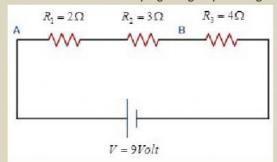






D. Lengkapilah kotak-kotak berikut sesuai angka (HANYA ANGKA) yang tepat!

1. Tentukanlah kuat arus yang mengalir pada rangkaian berikut ini!



Diketahui:
$$R_1 = \Omega$$

$$R_2 = \Omega$$

$$R_3 = \Omega$$

Jawab:

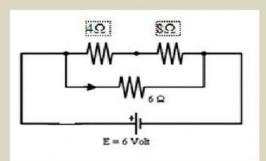
Hambatan Pengganti seri

$$R_s = R_1 + R_2 + R_3$$

$$R_s = R_{tot} = \Omega$$

Berdasarkan hukum Ohm

$$I = \frac{V}{R_{tot}}$$



2.

Diketahui: $R_1 = \bigcap$ Ω

$$R_2 = \Omega$$

$$R_3 = \Omega$$

Jawab:

Hambatan Pengganti seri

$$R_s = R_1 + R_2$$

Hambatan pengganti parallel

$$\frac{1}{Rp} = \frac{1}{R_S} + \frac{1}{R_3}$$

$$\frac{1}{Rp} = \underline{1} + \underline{1}$$

$$\frac{1}{Rp} = \underline{1}$$

$$R_0 = R_{rot} =$$

Berdasarkan hukum Ohm

$$I = \frac{V}{R_{tot}}$$

$$I = \frac{V}{C}$$

$$C$$