

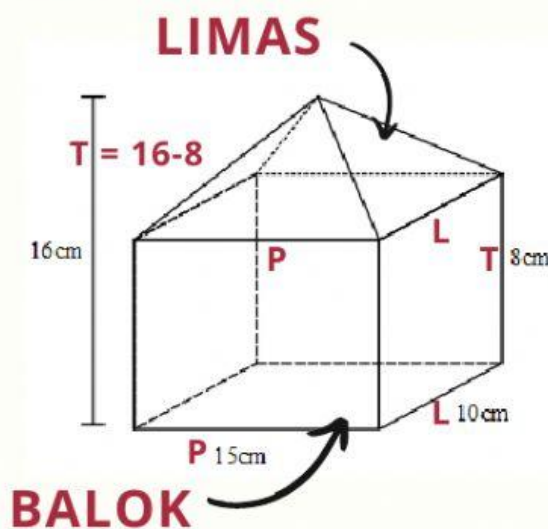


LEMBAR KERJA PESERTA DIDIK

MATEMATIKA - KELAS 6

HARI/ TANGGAL	: JUM'AT, 5 NOVEMBER 2021
TUJUAN	: MENGHITUNG VOLUME GABUNGAN PRISMA DAN LIMAS
MATERI	: VOLUME BANGUN RUANG
KEGIATAN	: SELF LEARNING DAN LATIHAN SOAL

1 PELAJARI CONTOH SOAL BERIKUT INI!



DIK : BALOK P = 15, L = 10, T = 8 CM

: LIMAS P = 15, L = 10, T = 8 CM

DIT : V = ...

JWB : V BALOK = P X L X T

$$= 15 \times 10 \times 8$$

$$= 1.200 \text{ CM}^3$$

$$V \text{ LIMAS} = \frac{1}{3} \times L \times A \times T$$

$$= \frac{1}{3} \times P \times L \times T$$

$$= \frac{1}{3} \times 15 \times 10 \times 8$$

$$= \frac{1}{\cancel{3}} \times \overset{5}{\cancel{15}} \times 10 \times 8$$

$$= 5 \times 10 \times 8$$

$$= 400 \text{ CM}^3$$

$$V \text{ GABUNGAN} = V. \text{ BALOK} + V. \text{ LIMAS}$$

$$= 1.200 + 400$$

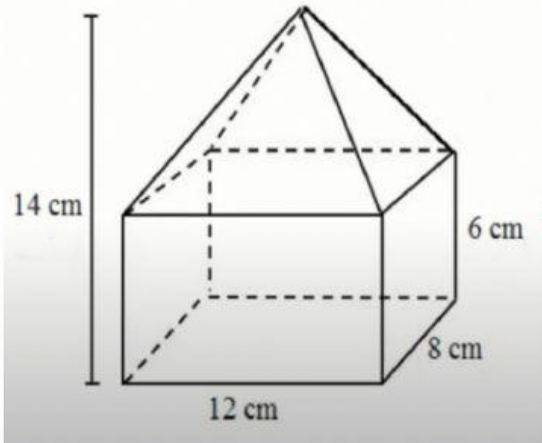
$$= 1.600 \text{ CM}^3$$



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2 KERJAKAN LATIHAN SOAL BERIKUT INI!



DIK : BALOK P = , L = , T = CM

: LIMAS P = , L = , T = CM

DIT : V = ...

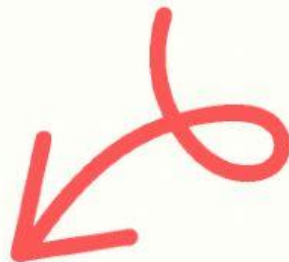
$$\begin{aligned}\text{JWB : V BALOK} &= \quad \times \quad \times \\ &= \quad \times \quad \times \\ &= \quad \text{CM}^3\end{aligned}$$

$$\begin{aligned}\text{V LIMAS} &= \frac{1}{3} \times \quad \times \\ &= \frac{1}{3} \times \quad \times \quad \times\end{aligned}$$

$$\begin{aligned}&= \frac{1}{3} \times \quad \times \quad \times \\ &= \quad \times \quad \times \\ &= \quad \text{CM}^3\end{aligned}$$

V GABUNGAN = V. BALOK + V. LIMAS

$$\begin{aligned}&= \quad + \\ &= \quad \text{CM}^3\end{aligned}$$





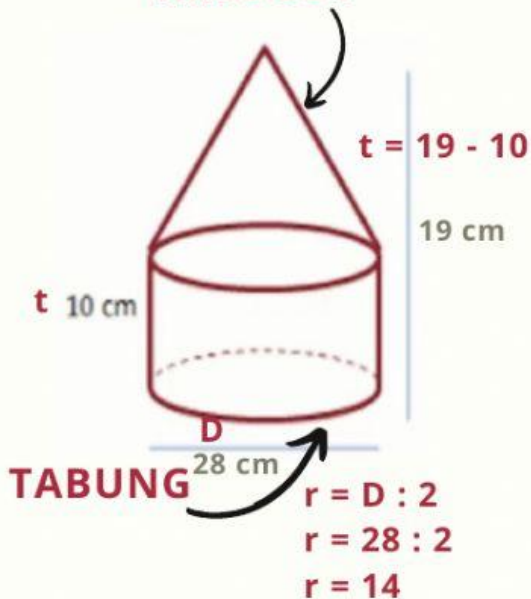
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1

PELAJARI CONTOH SOAL BERIKUT INI!

KERUCUT



DIK : tabung r = 14, t = 10 cm

: kerucut r = 14, t = 9 cm

DIT : V = ...

JWB : V TABUNG = $\pi \times r \times r \times t$

$$= \frac{22}{7} \times 14 \times 14 \times 10$$

$$= \frac{22}{7} \times \cancel{14}^2 \times 14 \times 10$$

$$= 22 \times 2 \times 14 \times 10$$

$$= 6.160 \text{ CM}^3$$

$$V \text{ KERUCUT} = \frac{1}{3} \times L_A \times T$$

$$= \frac{1}{3} \times \pi \times r \times r \times t$$

$$= \frac{1}{3} \times \frac{22}{7} \times 14 \times 14 \times 9$$

$$= \frac{1}{\cancel{3}} \times \frac{22}{7} \times \cancel{14}^2 \times 14 \times \cancel{9}^3$$

$$= 22 \times 2 \times 14 \times 3$$

$$= 1.848 \text{ CM}^3$$

$$V \text{ GABUNGAN} = V. \text{ TABUNG} + V. \text{ KERUCUT}$$

$$= 6.160 + 1.848$$

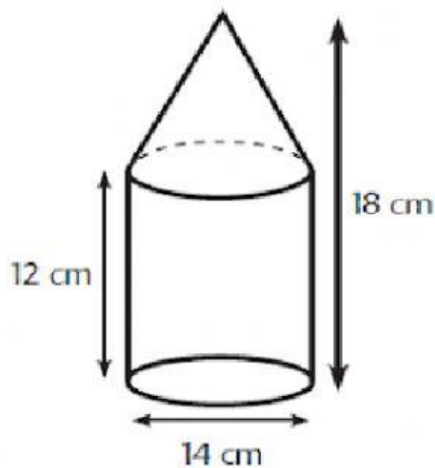
$$= 8.008 \text{ CM}^3$$



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2 KERJAKAN LATIHAN SOAL BERIKUT INI!



DIK : tabung $r =$, $t =$ cm

: kerucut $r =$, $t =$ cm

DIT : $V = \dots$

JWB : $V \text{ TABUNG} = \pi \times \times \times$

$$= \times \times \times$$

$$= \times \times \times$$

$$= \text{CM}^3$$

$$V \text{ KERUCUT} = \times \times$$

$$= \times \pi \times \times \times$$

$$= \times - \times \times \times$$

$$= \times \times \times$$

$$= \text{CM}^3$$

$$V \text{ GABUNGAN} = V. \text{ TABUNG} + V. \text{ KERUCUT}$$

$$= +$$

$$= \text{CM}^3$$