

KELAS VI MATEMATIKA

VOLUME GABUNGAN BANGUN RUANG

NAMA :

VOLUME GABUNGAN BALOK & KUBUS

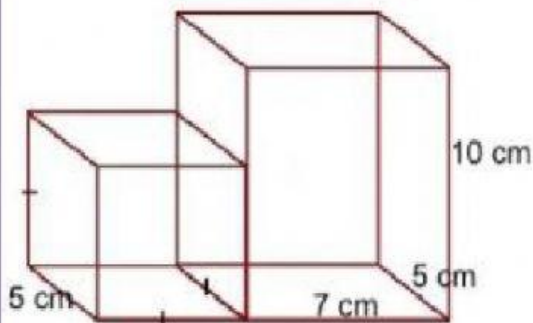
KEGIATAN 1

Untuk lebih bisa memahami materi, perhatikan dan dengarkan video Volume Gabungan Bangun Ruang



KEGIATAN 2

Hitunglah volume bangun ruang gabungan berikut ini!



Dik : $s = \square$ cm

$p = \square$ cm $\ell = \square$ cm $t = \square$ cm

Dit : Volume gabungan kubus dan balok ?

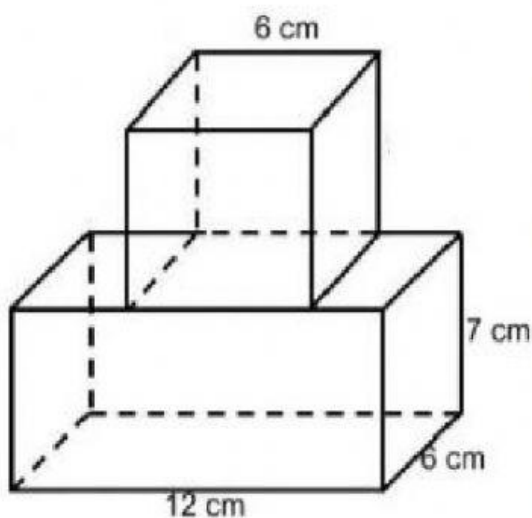
Jawaban :

$$\begin{aligned} V \text{ kubus} &= \square \times \square \times \square \\ &= \square \text{ cm}^3 \end{aligned}$$

$$\begin{aligned} V \text{ balok} &= \square \times \square \times \square \\ &= \square \text{ cm}^3 \end{aligned}$$

$$\begin{aligned} V \text{ gabungan} &= V \text{ kubus} + V \text{ balok} \\ &= \square \text{ cm}^3 + \square \text{ cm}^3 \\ &= \square \text{ cm}^3 \end{aligned}$$

Hitunglah volume bangun ruang gabungan berikut ini!



Dik : $s = \square$ cm

$p = \square$ cm $\ell = \square$ cm $t = \square$ cm

Dit : Volume gabungan kubus dan balok ?

Jawaban :

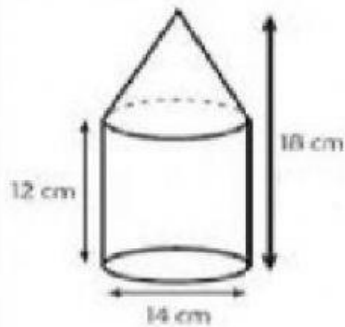
$$\begin{aligned} V \text{ kubus} &= \square \times \square \times \square \\ &= \square \text{ cm}^3 \end{aligned}$$

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$$\begin{aligned} V \text{ gabungan} &= V \text{ kubus} + V \text{ balok} \\ &= \square \text{ cm}^3 + \square \text{ cm}^3 \\ &= \square \text{ cm}^3 \end{aligned}$$

KEGIATAN 3

Setelah kamu menonton video pembelajaran tadi, mari kita kerjakan soal berikut!



Dik : $\pi =$

D =

r =

t. Tabung =

t. Kerucut =

Dit : Volume gabungan tabung dan kerucut?

Jawab:

Volume Tabung = $\pi r^2 t$

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

= $\times$ $\times$

= cm^3

Volume Kerucut = $\frac{1}{3} \times \pi r^2 t$

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

= $\times$ $\times$

= cm^3

Volume Gabungan = V. Tabung + V. Kerucut

= +

= cm^3