

LKPD 2

Luas Permukaan Bangunan Ruang Bagian 1

A. Prisma

Rumus

$$L = (a.s \times t.s) + K.s \times T.p$$

Ket:

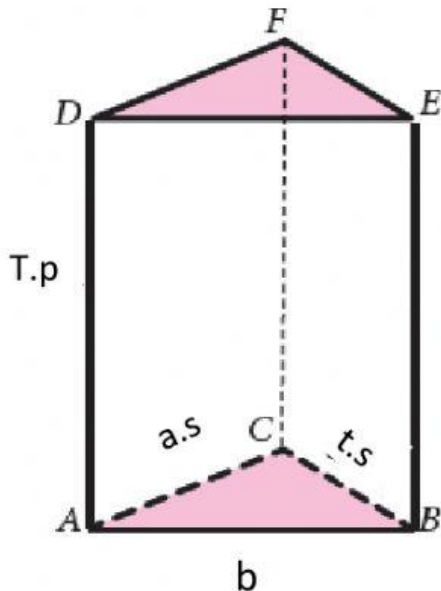
a.s = alas segitiga

t.s = tinggi segitiga

K.s = Keliling Segitiga (a.s + t.s + b)

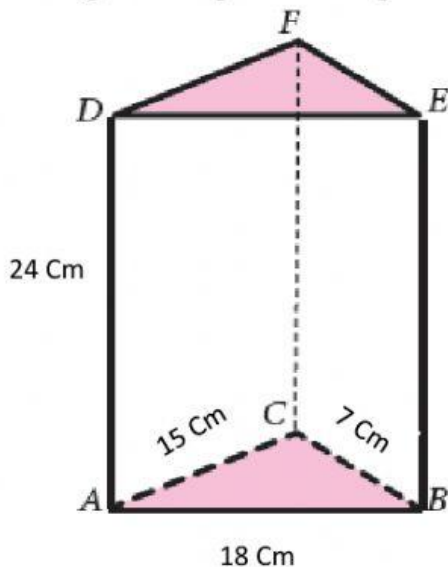
T.p = Tinggi Prisma

b = bidang miring segitiga



A. Hitunglah luas prisma dibawah ini:

1. Hitunglah luas permukaan prisma berikut



$$L = (a.s \times t.s) + K.s \times T.p$$

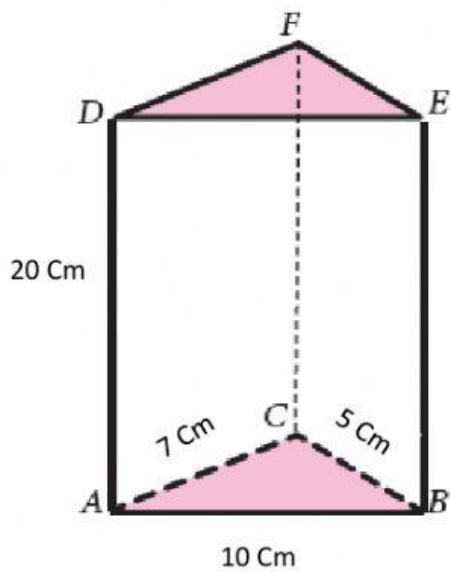
$$= \quad \times \quad) + (\quad + \quad + \quad) \times$$

$$= \quad + \quad \times$$

$$= \quad +$$

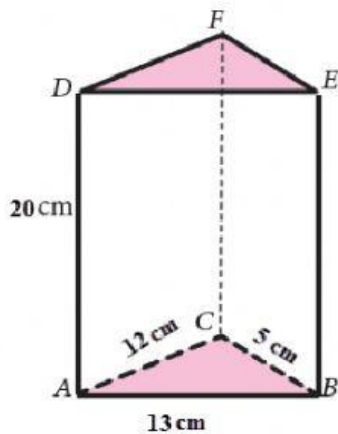
$$= \quad \text{cm}^2$$

2. Hitunglah luas permukaan prisma berikut



$$\begin{aligned}
 L &= (a.s \times t.s) + K.s \times T_p \\
 &= (\quad \times \quad) + (\quad + \quad + \quad) \times \quad \\
 &= \quad + \quad \times \quad \\
 &= \quad + \quad \\
 &= \quad \text{cm}^2
 \end{aligned}$$

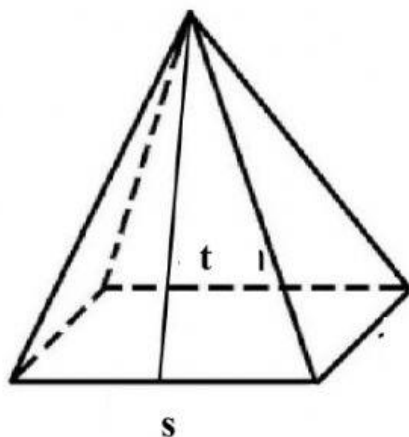
3. Hitunglah luas Permukaan prisma berikut



$$\begin{aligned}
 L &= (a.s \times t.s) + K.s \times T_p \\
 &= (\quad \times \quad) + (\quad + \quad + \quad) \times \quad \\
 &= \quad + \quad \times \quad \\
 &= \quad + \quad \\
 &= \quad \text{cm}^2
 \end{aligned}$$

B. Limas

1. Limas dengan Alas Persegi



Rumus

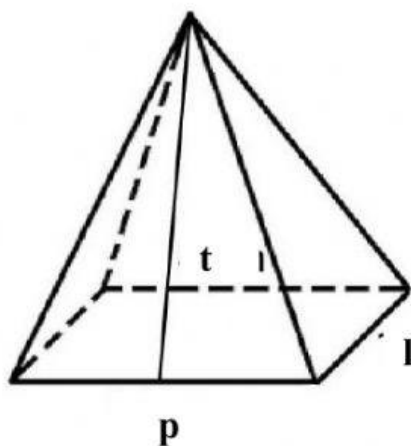
$$L = (s \times s) + 2.(s \times t)$$

Ket:

S = sisi Persegi

t = tinggi Segitiga

2. Limas dengan Alas Persegi Panjang



Rumus

$$L = (p \times l) + (p \times t) + (l \times t)$$

Ket:

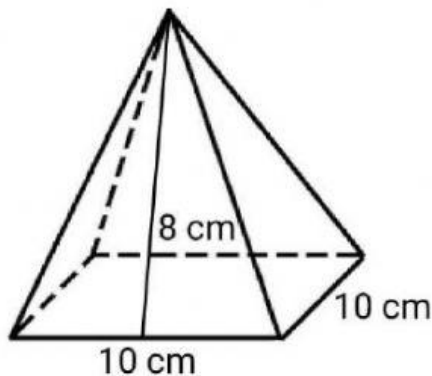
p = panjang

l = lebar

t = tinggi segitiga

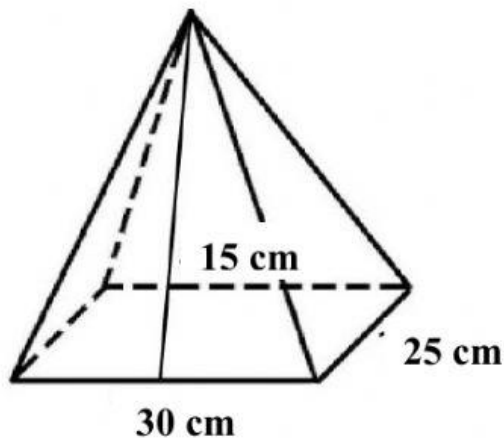
B. Carilah luas limas berikut

1. Hitunglah luas permukaan limas berikut



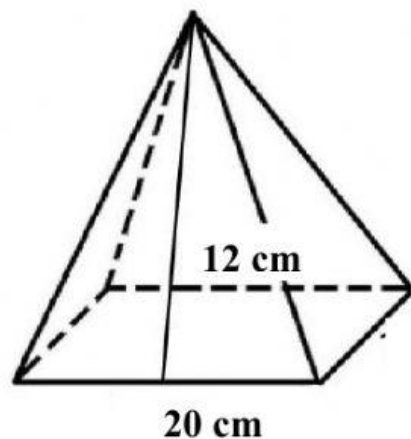
$$\begin{aligned} L &= (s \times s) + 2.(s \times t) \\ &= (\quad \times \quad) + \quad . (\quad \times \quad) \\ &= \quad + \quad . \\ &= \quad + \quad \\ &= \quad \text{cm}^2 \end{aligned}$$

2. Hitunglah luas permukaan limas berikut



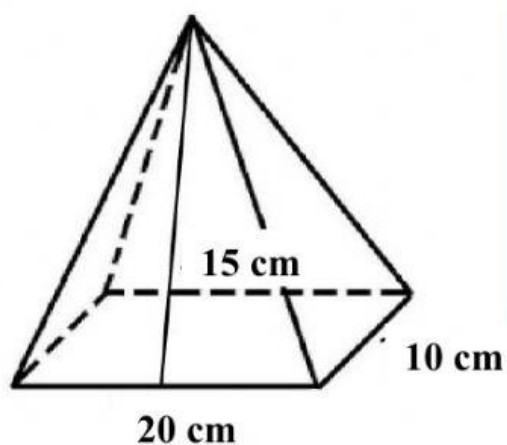
$$\begin{aligned} L &= (p \times l) + (p \times t) + (l \times t) \\ &= (\quad \times \quad) + (\quad \times \quad) + (\quad \times \quad) \\ &= \quad + \quad + \quad \\ &= \quad \text{cm}^2 \end{aligned}$$

3. Hitunglah luas permukaan limas berikut



$$\begin{aligned} L &= (s \times s) + 2.(s \times t) \\ &= (\quad \times \quad) + \quad . (\quad \times \quad) \\ &= \quad + \quad . \\ &= \quad + \quad \\ &= \quad \text{cm}^2 \end{aligned}$$

4. Hitunglah luas permukaan limas berikut



$$\begin{aligned} L &= (p \times l) + (p \times t) + (l \times t) \\ &= (\quad \times \quad) + (\quad \times \quad) + (\quad \times \quad) \\ &= \quad + \quad + \quad \\ &= \quad \text{cm}^2 \end{aligned}$$