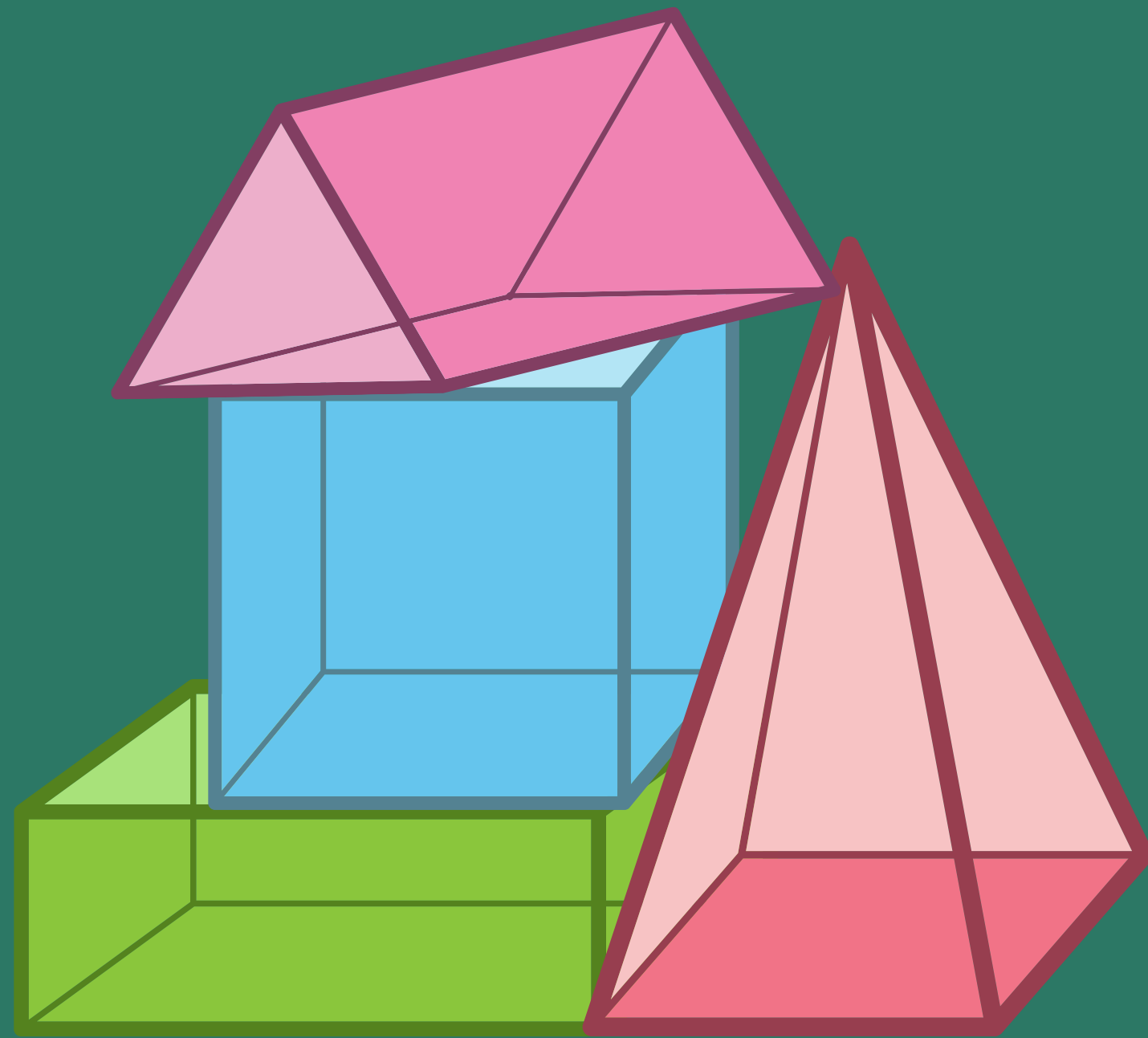




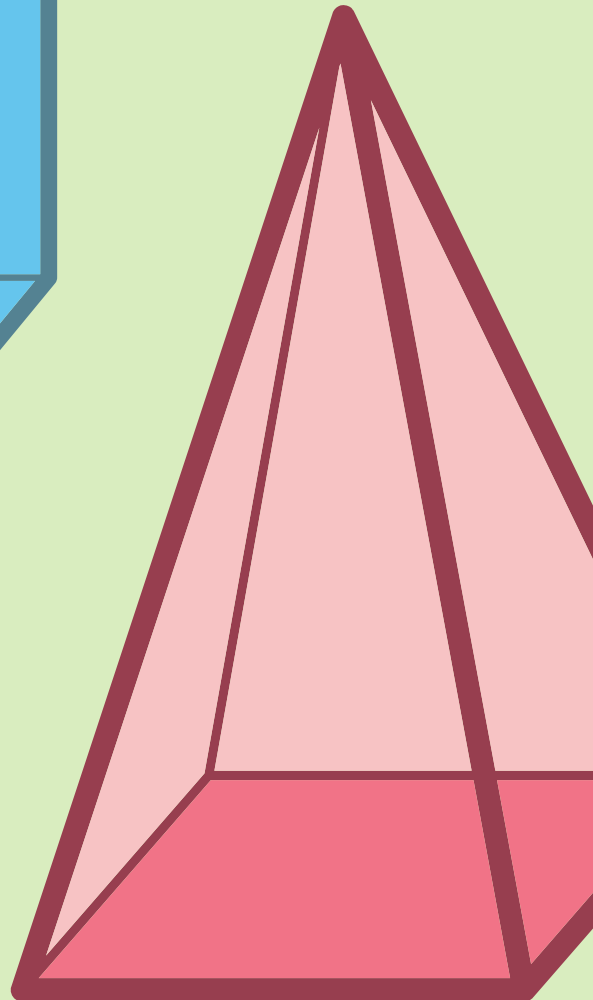
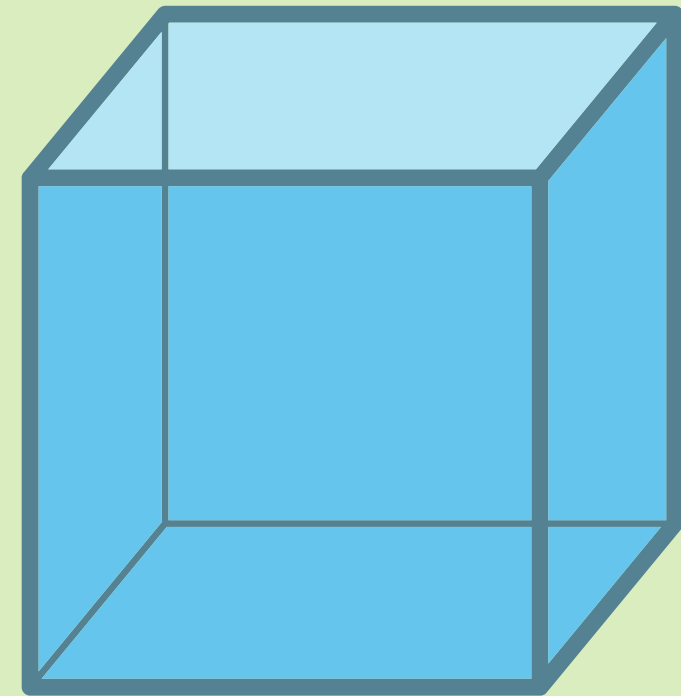
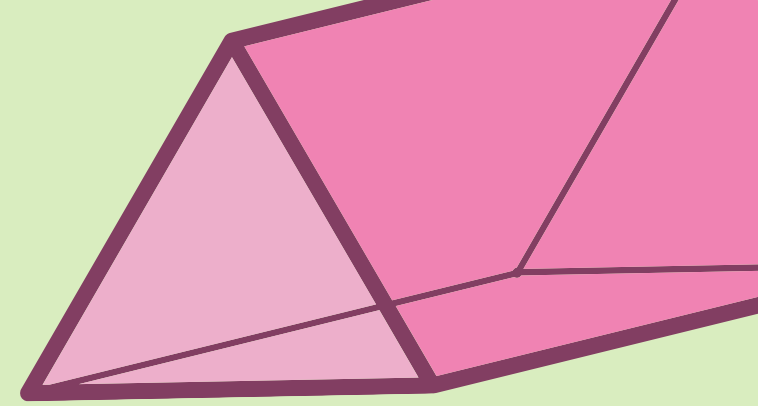
BANGUN RUANG SISI DATAR

Luas permukaan kubus dan
balok

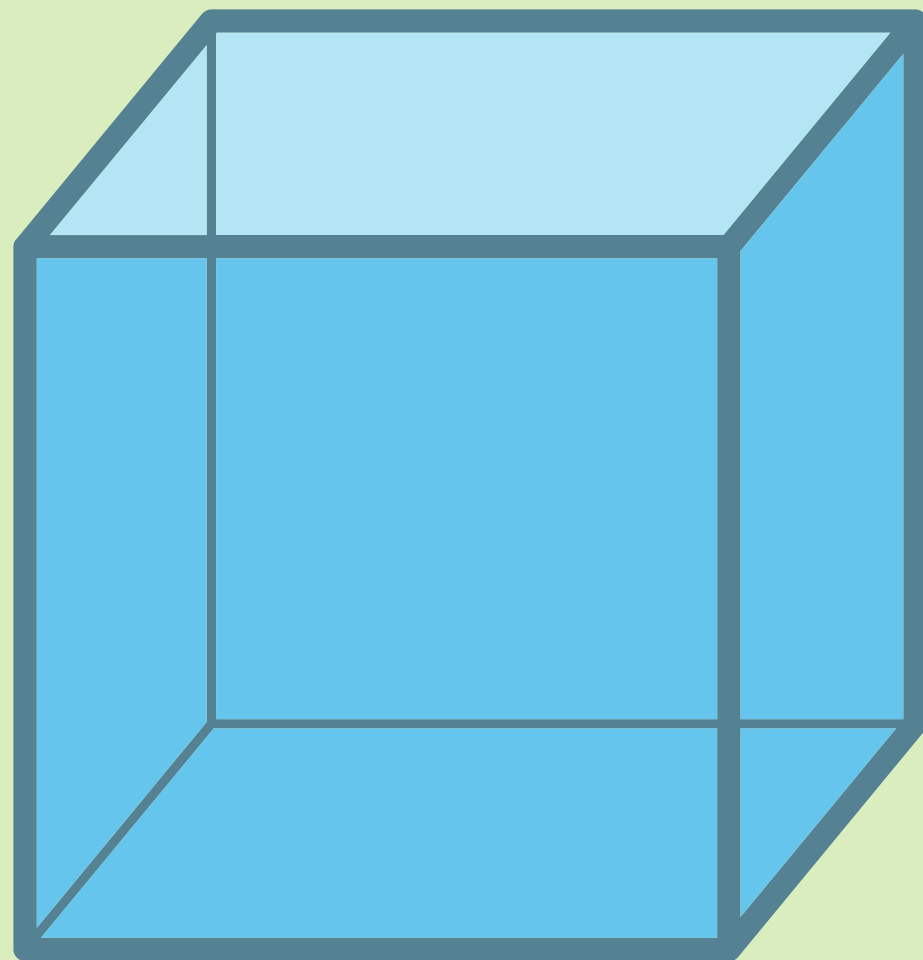
Gita Ramdani Suwito, S.Pd., Gr.

Yang akan kita pelajari

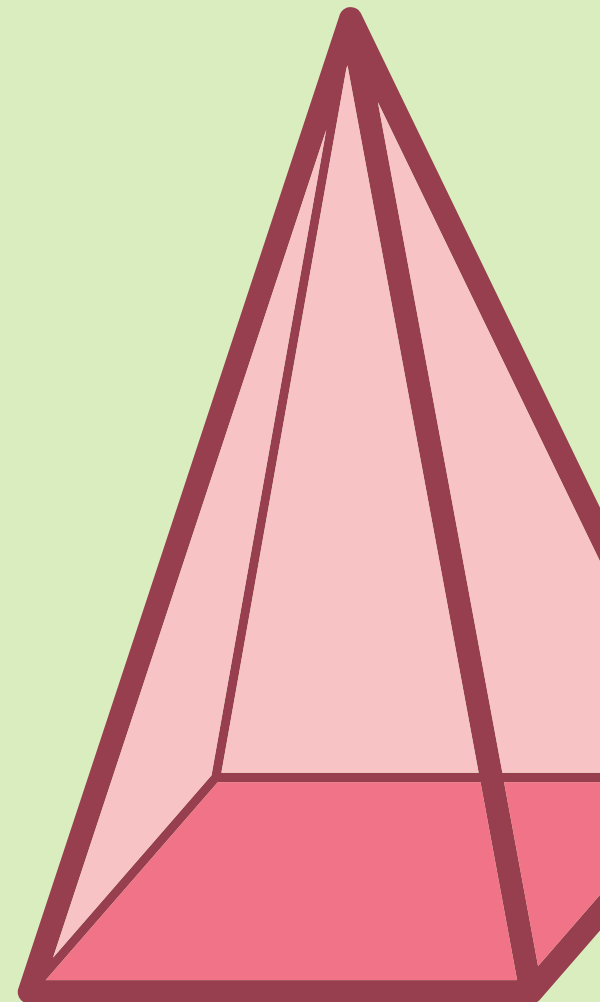
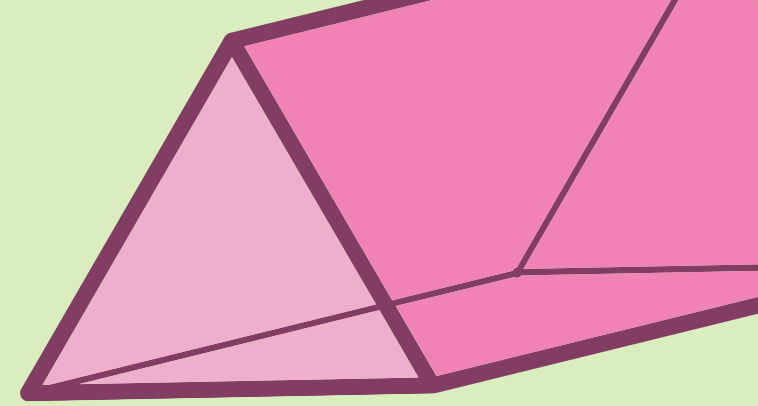
1. Luas permukaan kubus
2. Luas permukaan balok



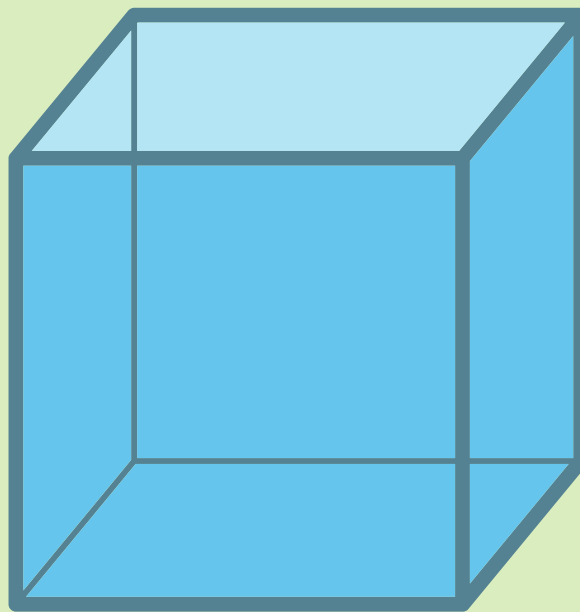
BANGUN RUANG SISI DATAR



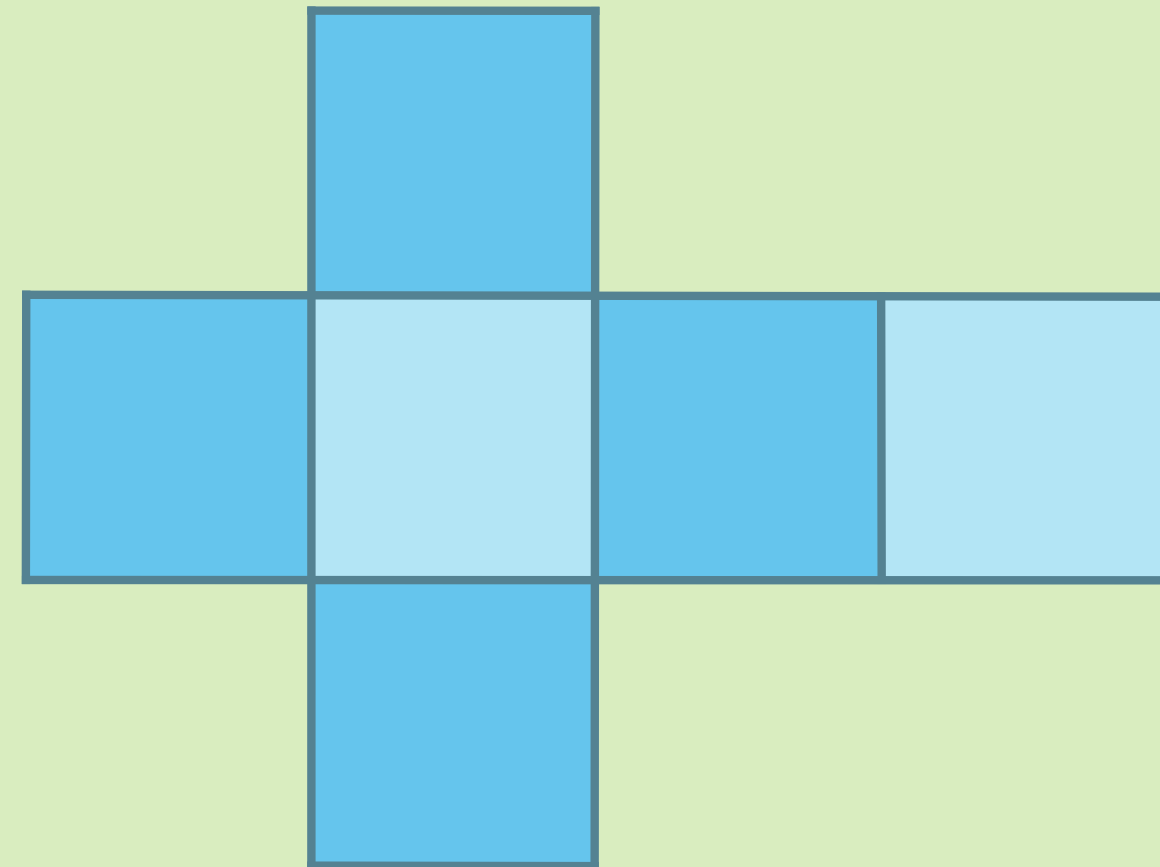
Kubus



Luas Permukaan Kubus

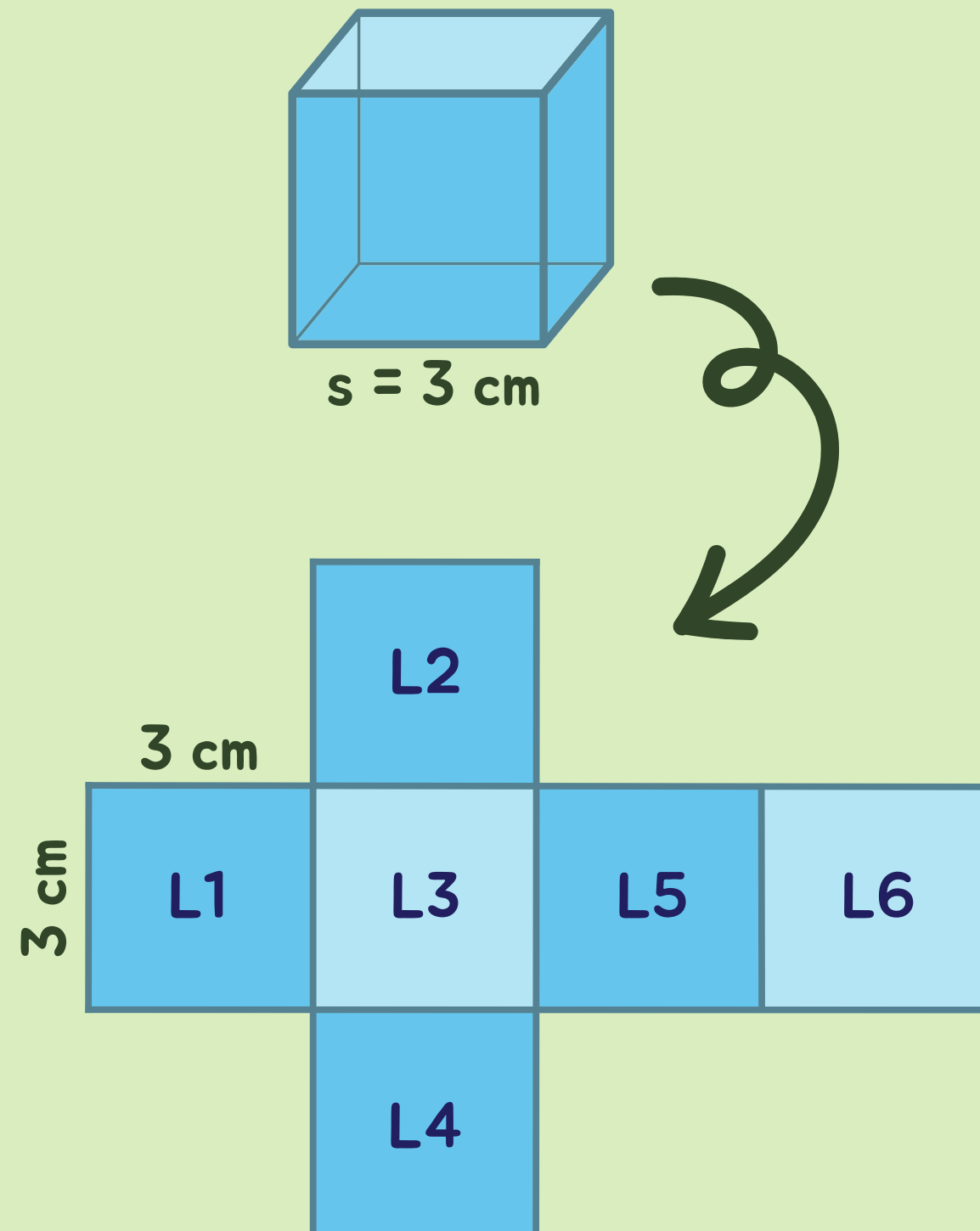


Kubus



Jaring-jaring
Kubus

Luas Permukaan Kubus



Untuk menemukan luas permukaan kubus
tambahkan semua luas bidangnya

$$LP = L1 + L2 + L3 + L4 + L5 + L6$$

$$LP = s \times s + s \times s + s \times s + s \times s + s \times s + s \times s$$

$$LP = 6 \times s \times s$$

Rumus luas
permukaan kubus

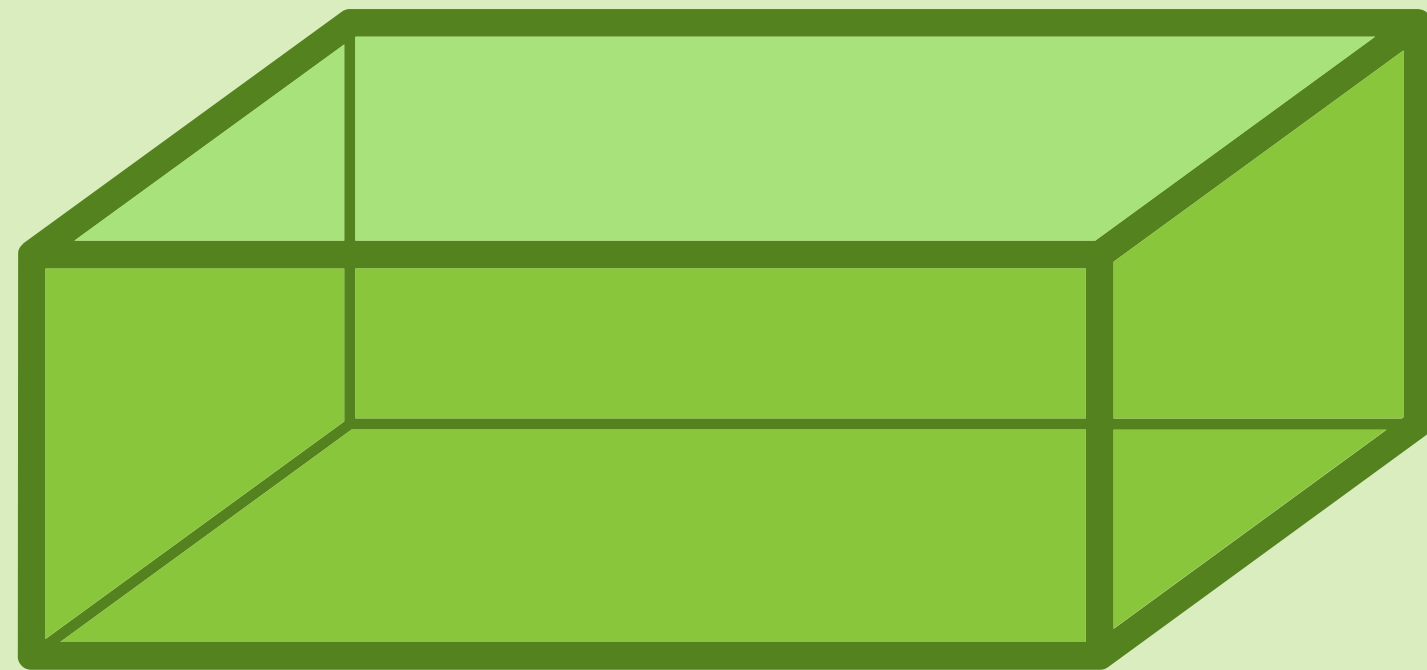
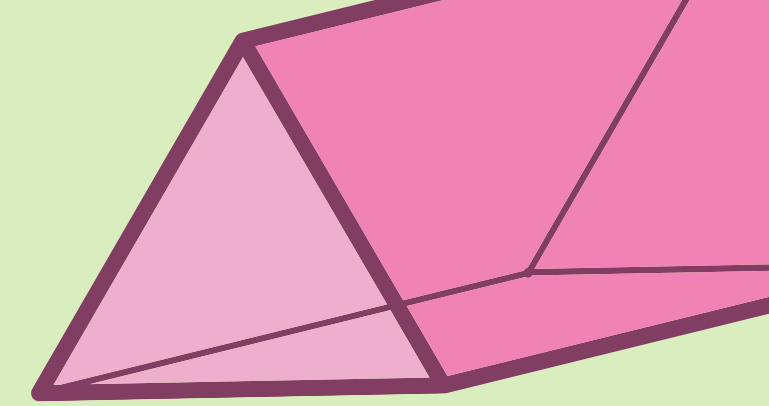
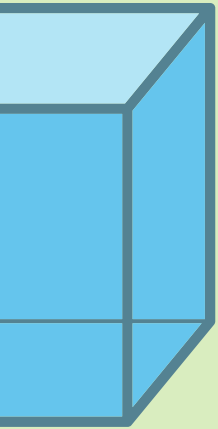
$$LP = 6 \times 3 \times 3$$

$$LP = 54$$

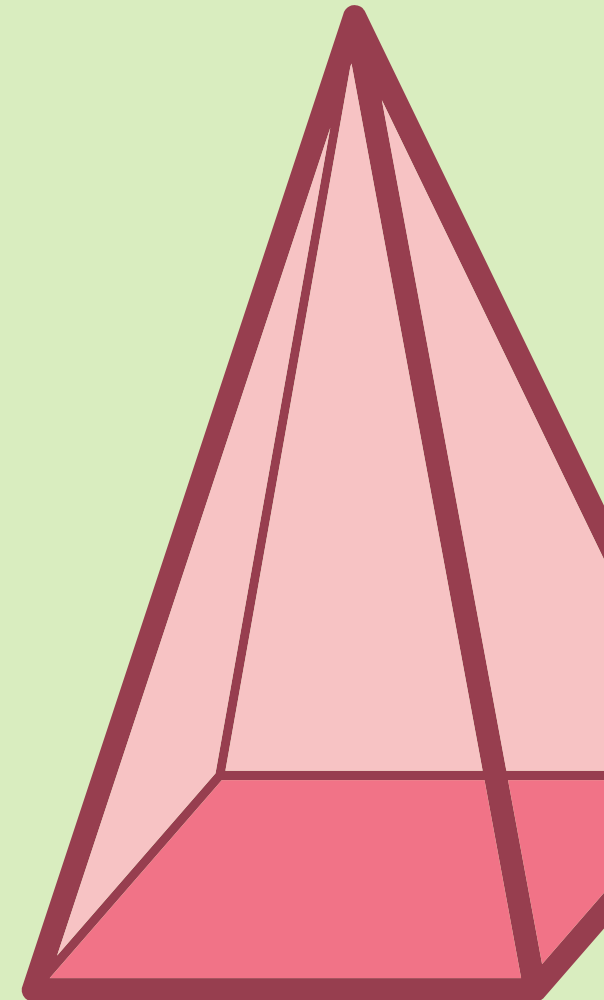
Sehingga luas permukaan kubus di samping
adalah 54 cm^2

BANGUN RUANG

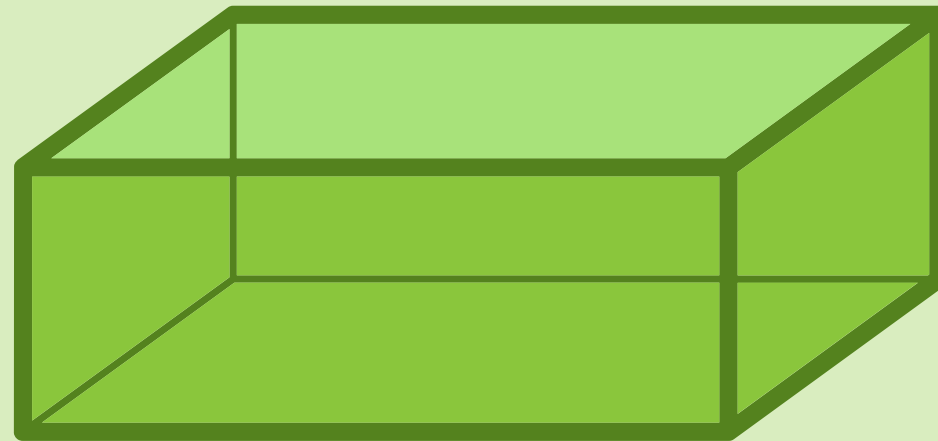
SISI DATAR



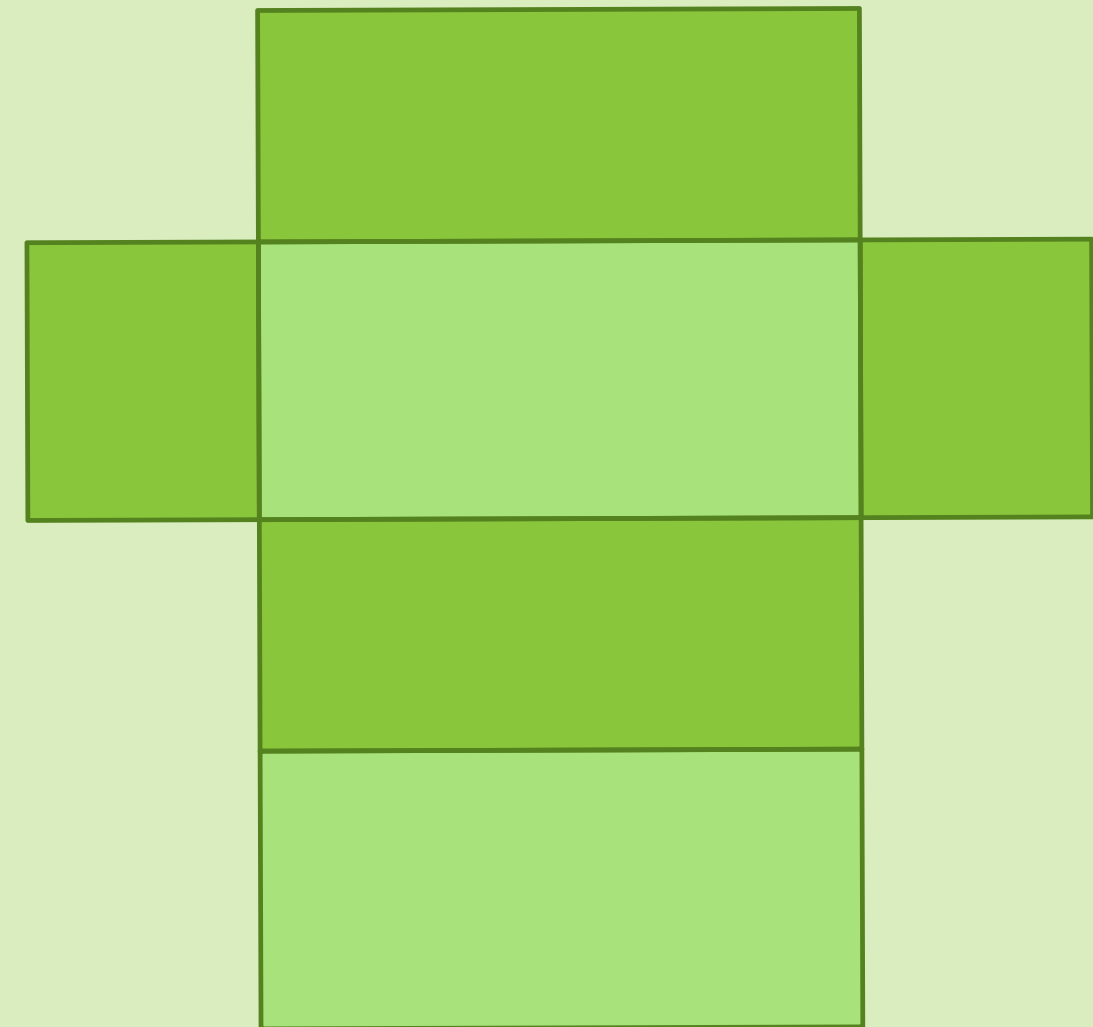
Balok



Luas Permukaan Balok



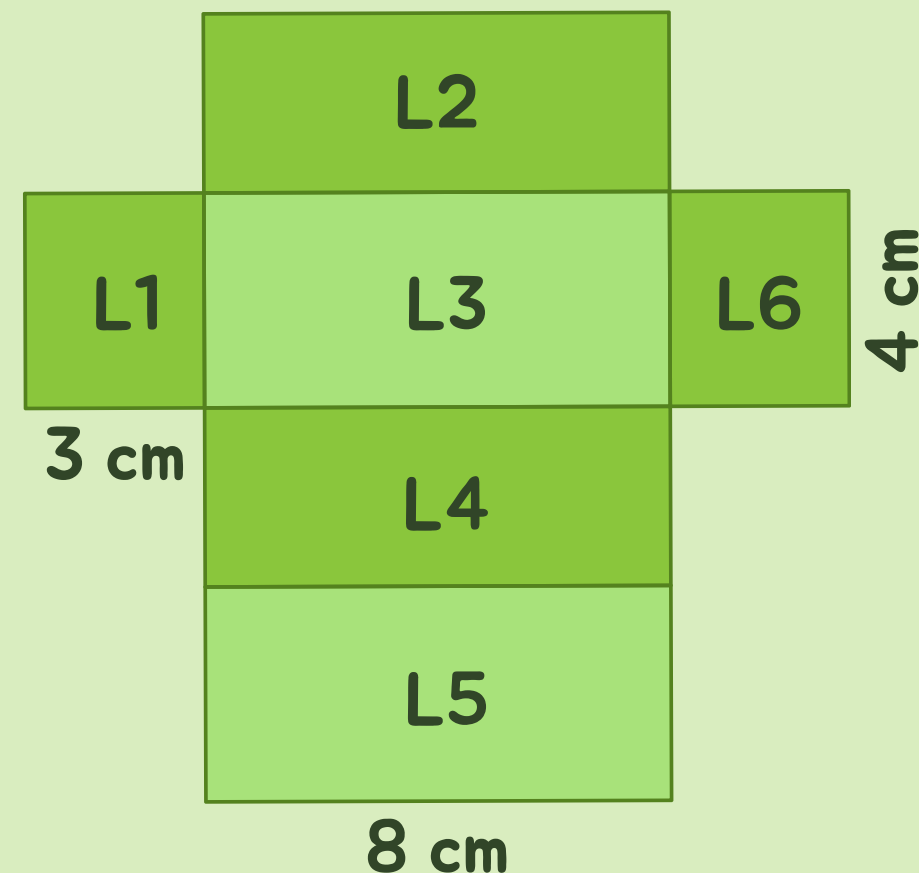
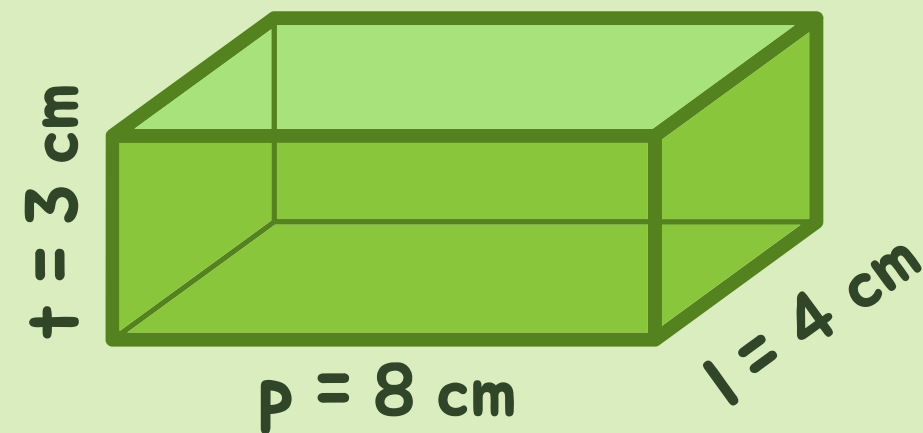
Balok



Jaring-jaring Balok

Luas Permukaan Balok

Untuk menemukan luas permukaan kubus
tambahkan semua luas bidangnya



$$LP = L1 + L2 + L3 + L4 + L5 + L6$$

$$LP = l \times t + p \times t + p \times l + p \times t + p \times l + l \times t$$

$$LP = 2 \times (p \times l + p \times t + l \times t)$$

Rumus luas
permukaan balok

$$LP = 2 \times (8 \times 4 + 8 \times 3 + 4 \times 3)$$

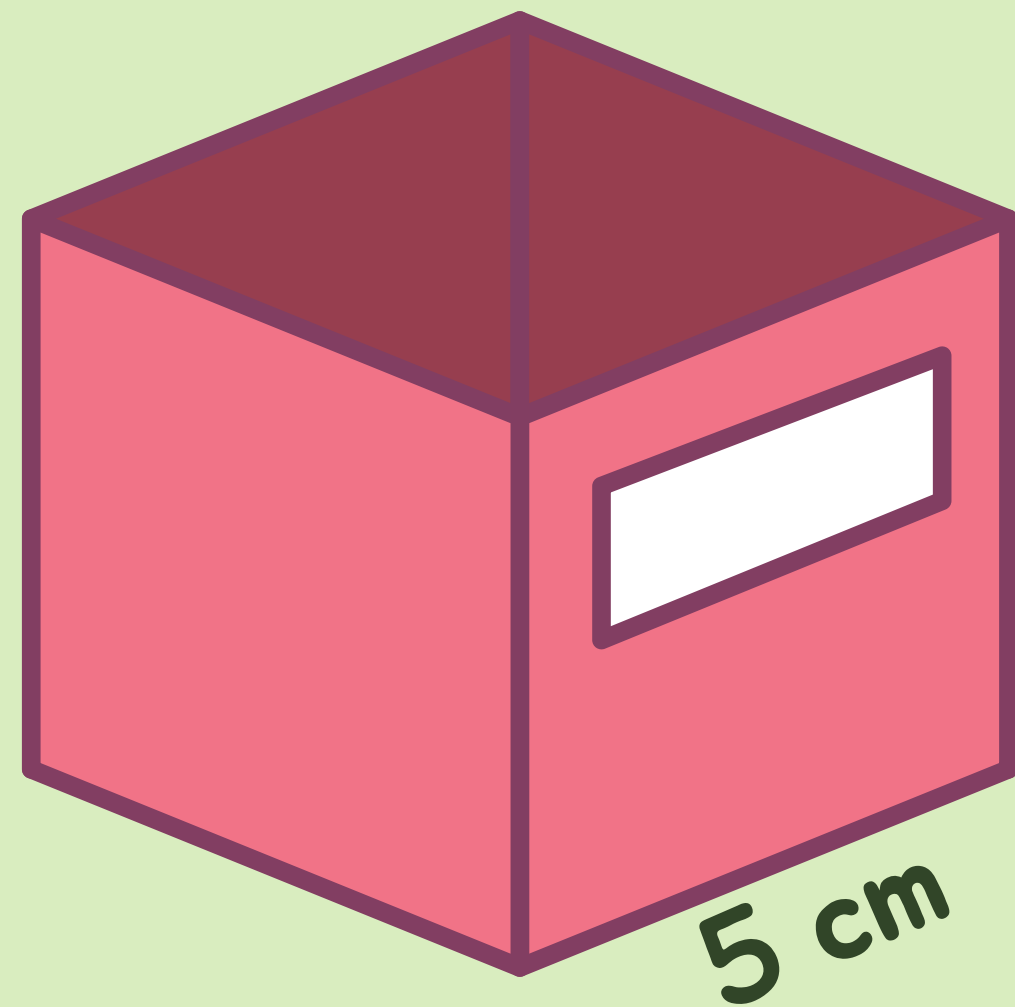
$$LP = 2 \times (32 + 24 + 12)$$

$$LP = 2 \times 68$$

$$LP = 136$$

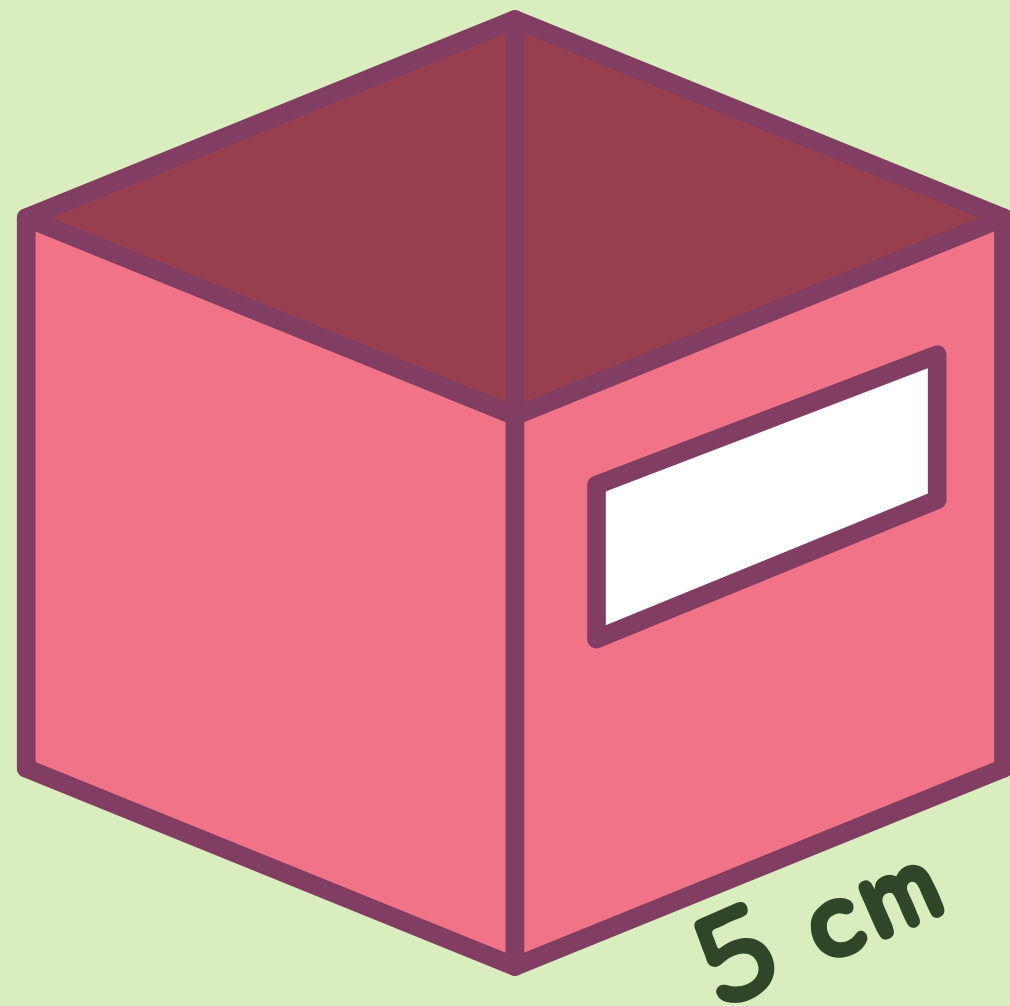
Sehingga luas permukaan balok di samping
adalah 136 cm^2

YUK KITA COBA !



Berapakah luas permukaan
dari kardus di samping ?

YUK KITA COBA !



Kunci jawaban

Berapakah luas permukaan dari kardus di samping ?

$$LP = 6 \times s \times s$$

$$LP = 6 \times 5 \times 5$$

$$LP = 150$$

Sehingga luas permukaan kardus di samping adalah 150 cm^2

YUK KITA COBA !



Jika kotak sereal di samping mempunyai panjang 10 cm lebar 3 cm dan tinggi kotaknya adalah 15 cm. Maka berapakah luas permukaan dari kotak sereal tersebut ?

YUK KITA COBA !

Kunci jawaban



$$LP = 2 \times (p \times l + p \times t + l \times t)$$

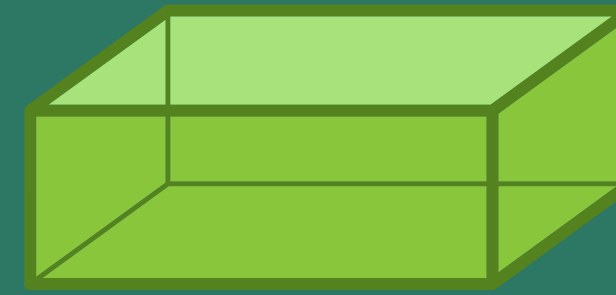
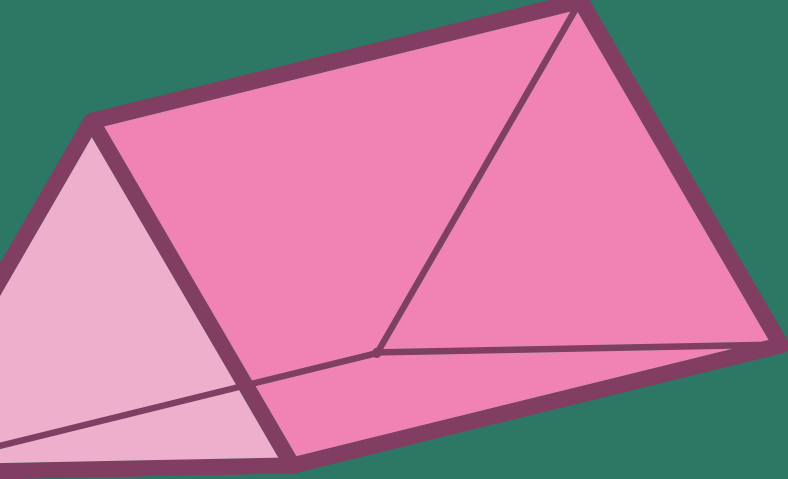
$$LP = 2 \times (10 \times 3 + 10 \times 15 + 3 \times 15)$$

$$LP = 2 \times (30 + 150 + 45)$$

$$LP = 2 \times (225)$$

$$LP = 450$$

Sehingga luas permukaan kotak sereal di samping adalah 450 cm^2



TERIMA KASIH

