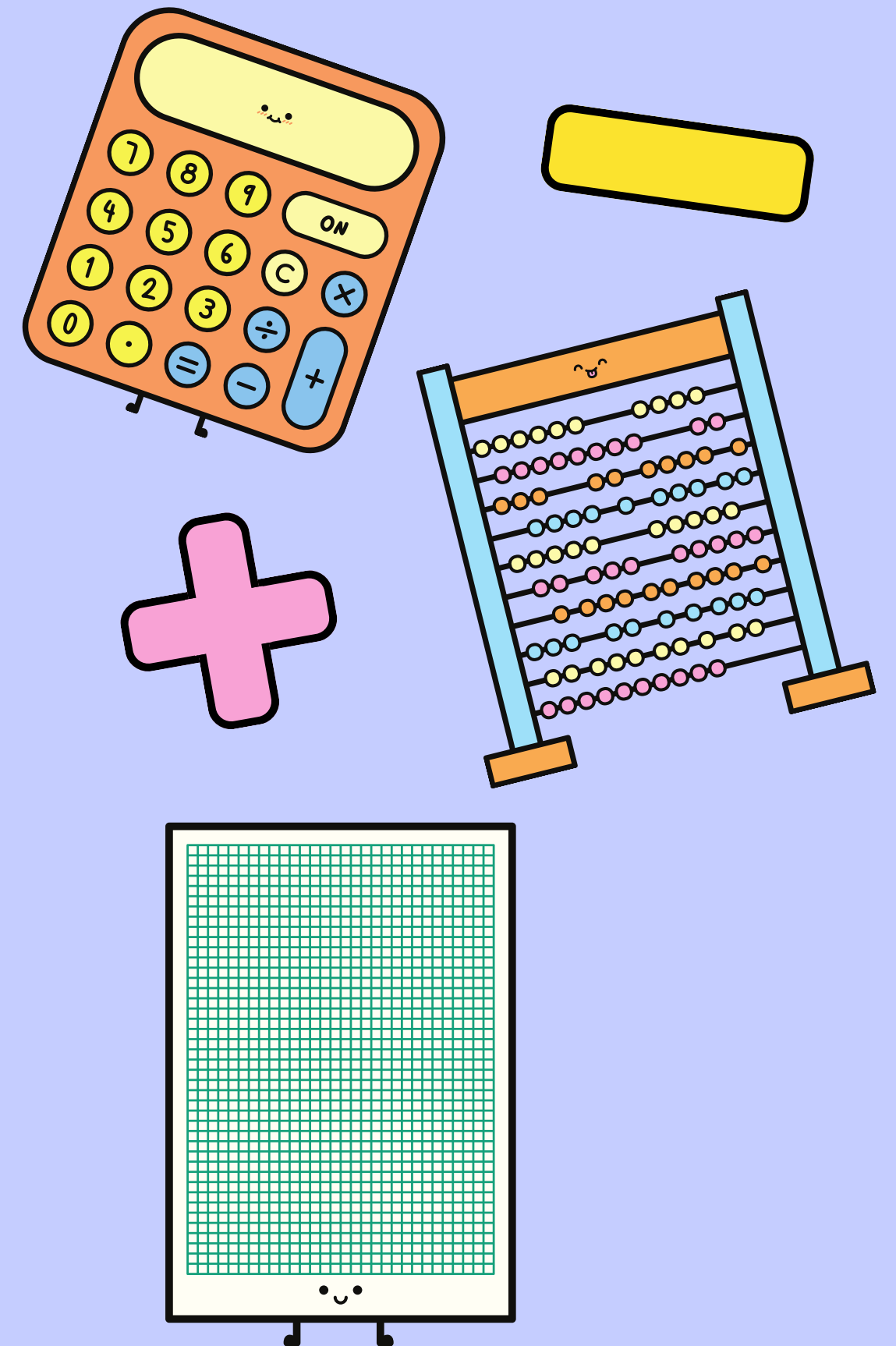


Dimensi Tiga

XII MIPA 3

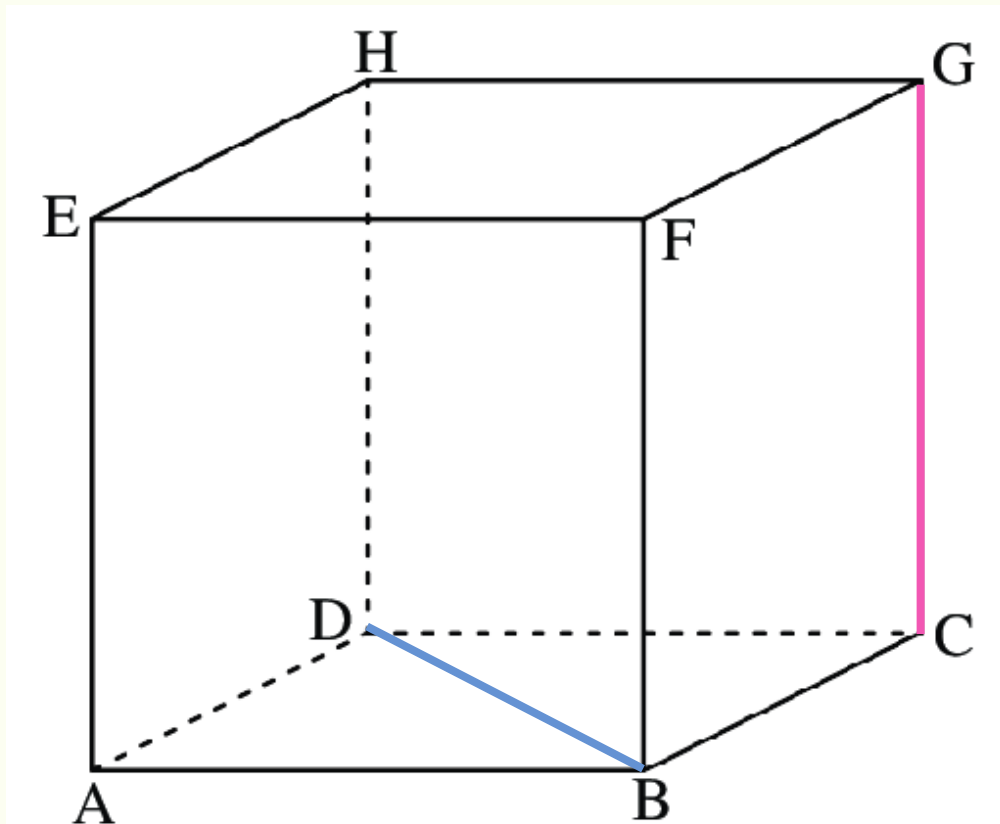
Anggota Kelompok

- Celine Budianto/XII MIPA
3/05
- Karlin Louisa/XII MIPA 3/20
- Laurensia Michelle/XII MIPA
3/21



Ketegaklurusan dua garis

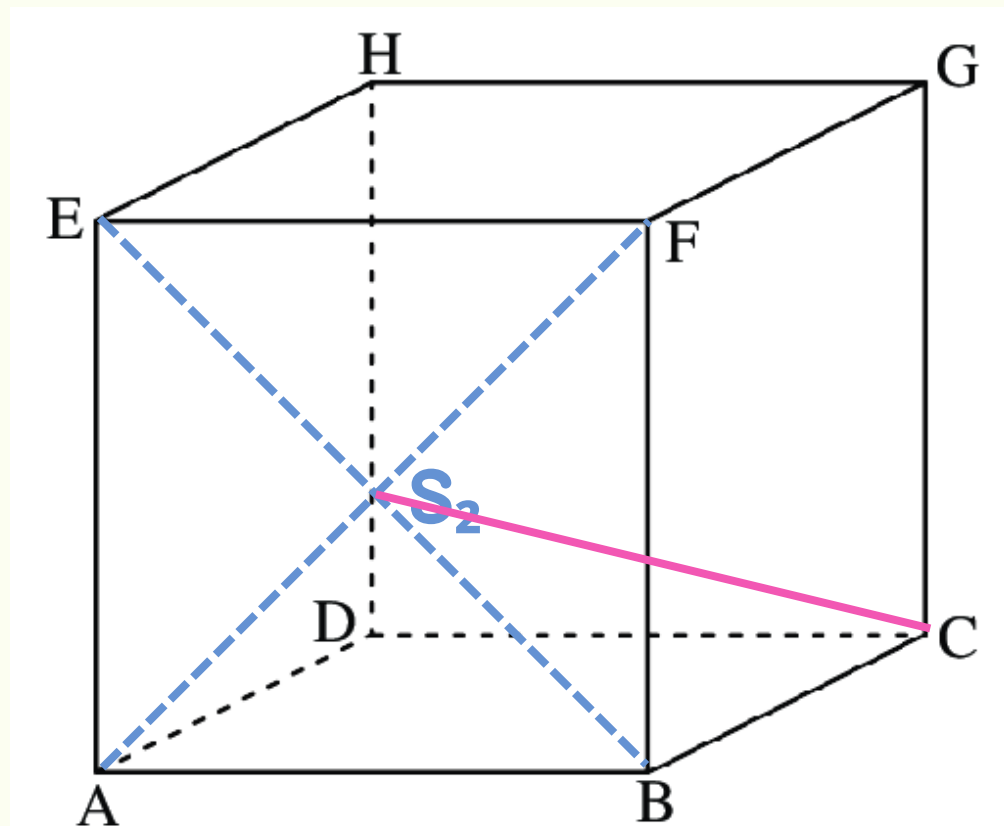
Buktikan $BD \perp CG$



- $BD \perp AC$
- AC pada bidang ACGE
- $BD \perp$ semua garis pada bidang ACGE
- CG pada bidang ACGE
- $BD \perp CG$

Jarak titik ke titik

Tentukan jarak C ke S_2



S_2

$\frac{1}{2}a\sqrt{2}$ cm

B

a cm

C

$$CS_2 = \sqrt{a^2 + (\frac{1}{2}a\sqrt{2})^2}$$

$$CS_2 = \sqrt{a^2 + \frac{1}{2}a^2}$$

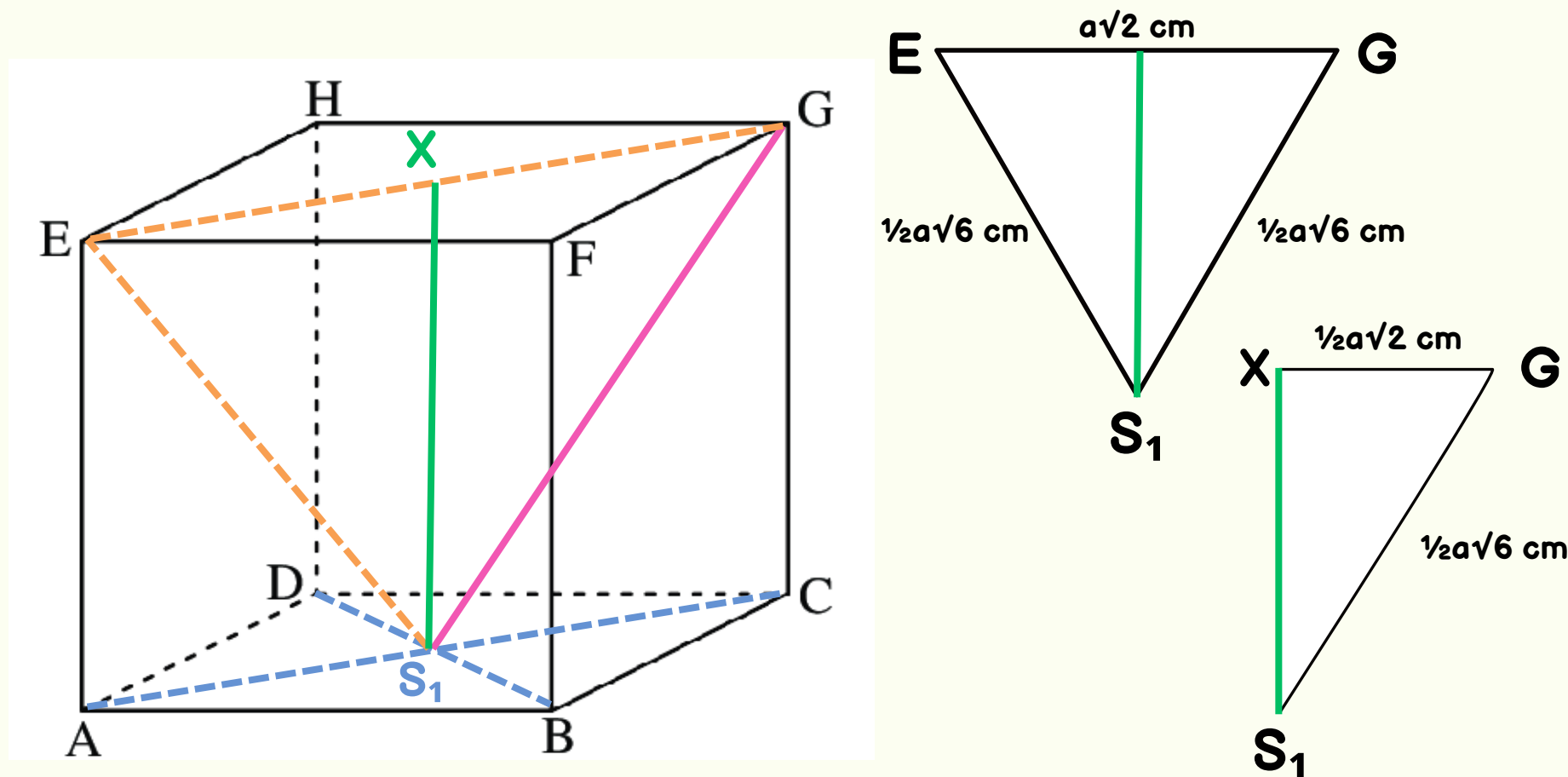
$$CS_2 = \sqrt{\frac{3}{2}a^2}$$

$$CS_2 = a\sqrt{\frac{3}{2}}$$

$$CS_2 = \frac{1}{2}a\sqrt{6} \text{ cm}$$

Jarak titik ke garis

Tentukan jarak E ke GS_1



$$XS_1 = \sqrt{\left(\frac{1}{2}a\sqrt{6}\right)^2 - \left(\frac{1}{2}a\sqrt{2}\right)^2}$$

$$XS_1 = \sqrt{\frac{3}{2}a^2 - \frac{1}{2}a^2}$$

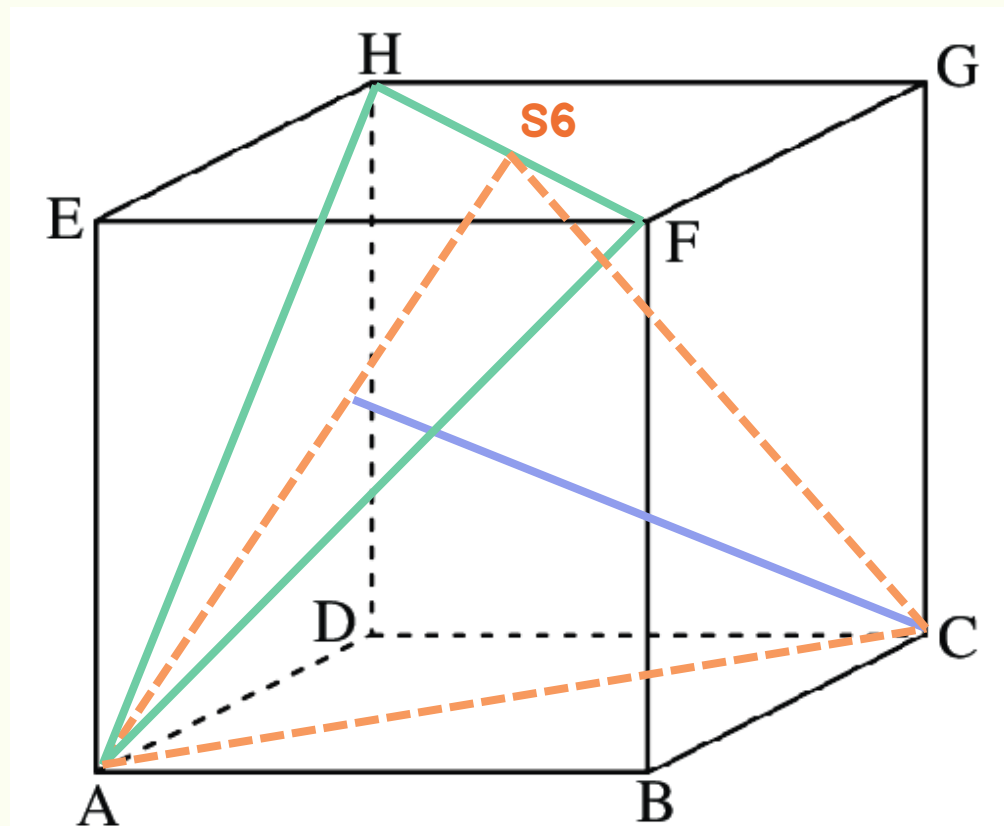
$$XS_1 = \sqrt{a^2}$$

$$XS_1 = a \text{ cm}$$

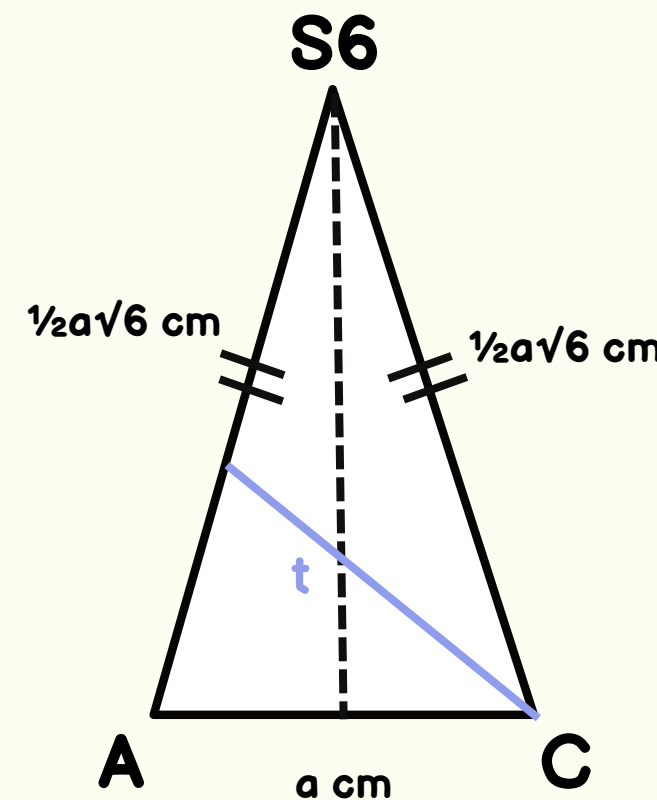
Jarak titik ke bidang

Tentukan jarak C ke AFH

jika panjang sisi=a



Gunakan garis berat dari segitiga AFH dan ubah soal menjadi jarak titik ke garis.

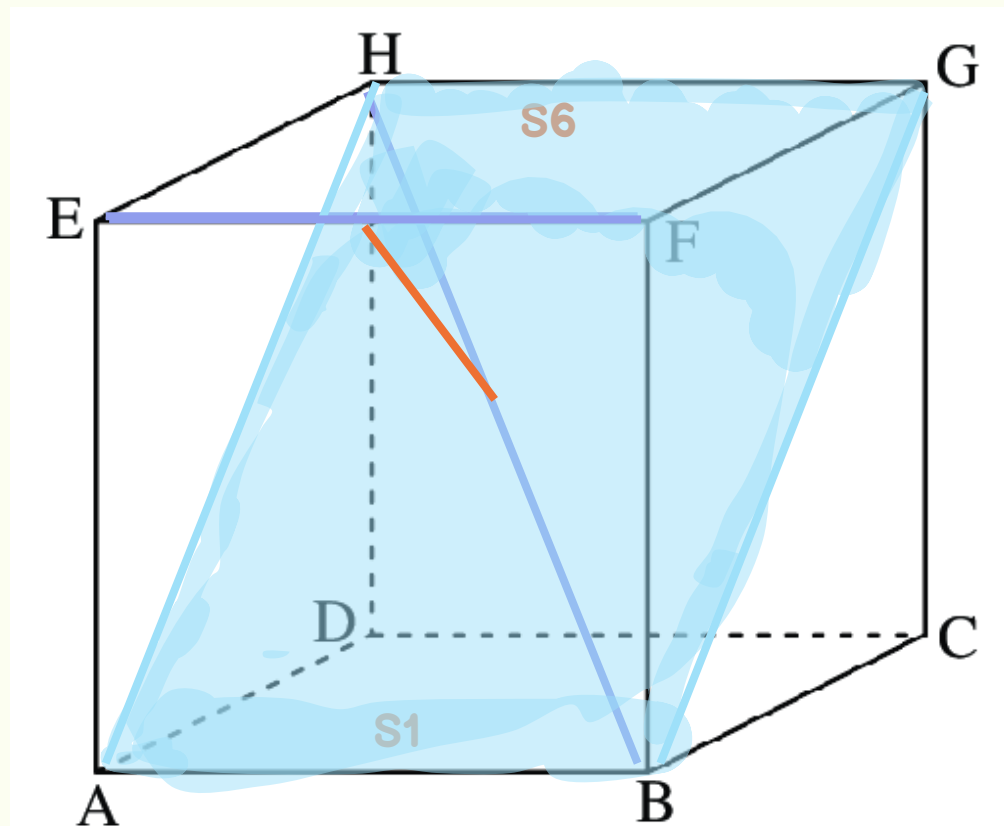


$$\begin{aligned} L1 &= L2 \\ \cancel{\frac{1}{2} a \sqrt{2} a} &= \cancel{\frac{1}{2} \frac{1}{2} a \sqrt{6} t} \\ t &= \frac{2}{3} \sqrt{3} a / 3 \end{aligned}$$

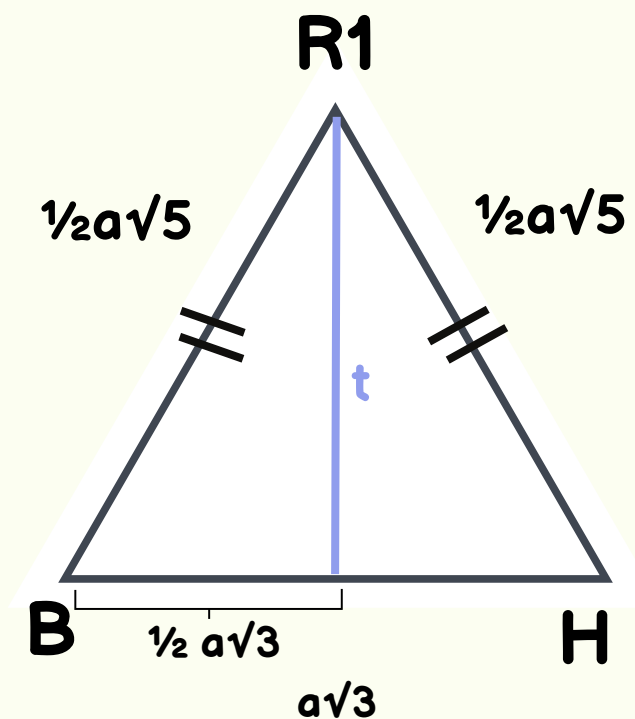
Jarak 2 garis bersilangan

Tentukan jarak BH ke EF

jika panjang sisi=a



Bautlah bidang yang mencakup salah satu garis.



$$t = \sqrt{\left(\frac{1}{2}a\sqrt{5}\right)^2 - \left(\frac{1}{2}a\sqrt{5}\right)^2}$$

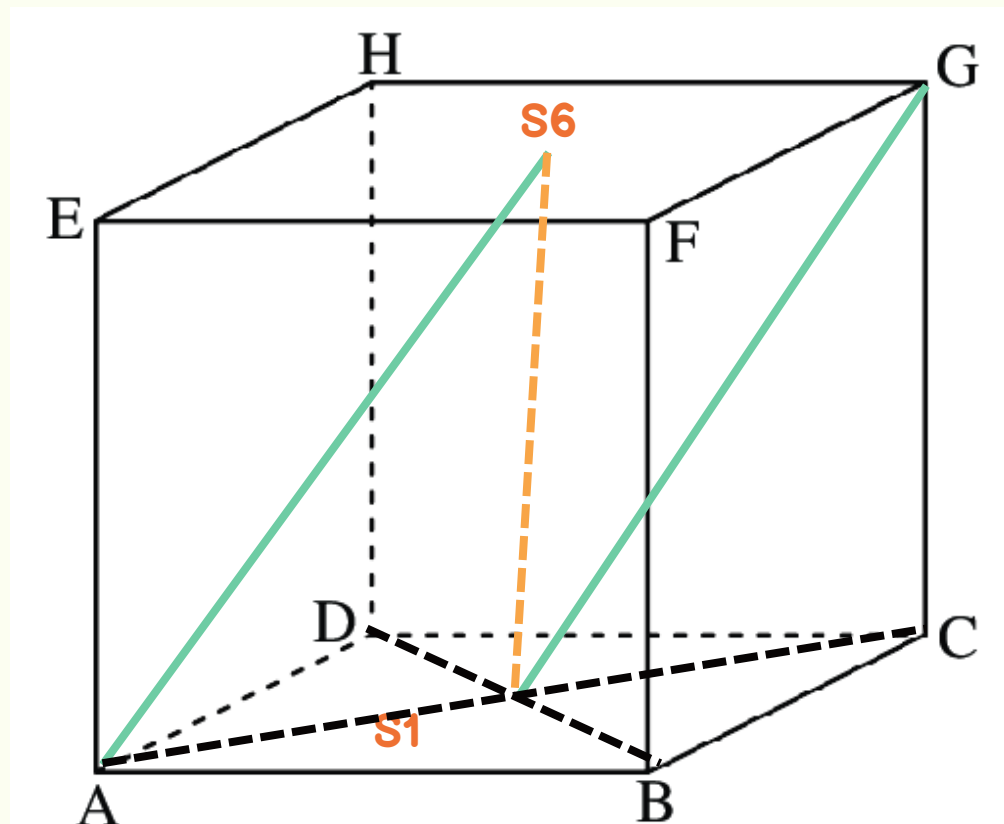
$$t = a \sqrt{1/2}$$

$$t = a \sqrt{2}/2$$

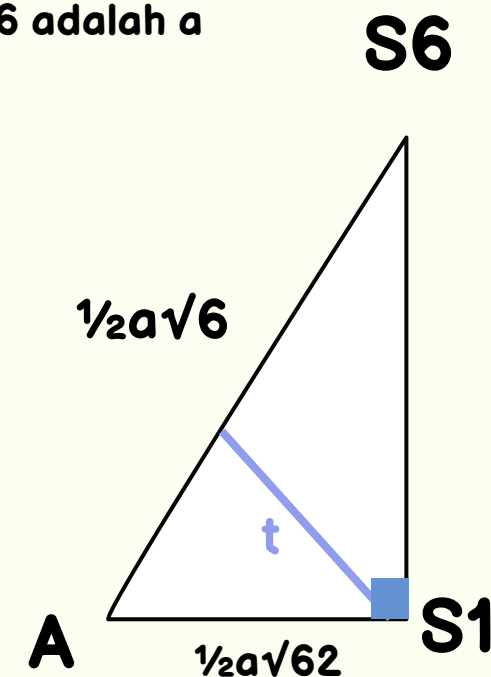
Jarak 2 garis sejajar

Tentukan jarak AS6 ke S1G

jika panjang sisi=a



S1S6 adalah a

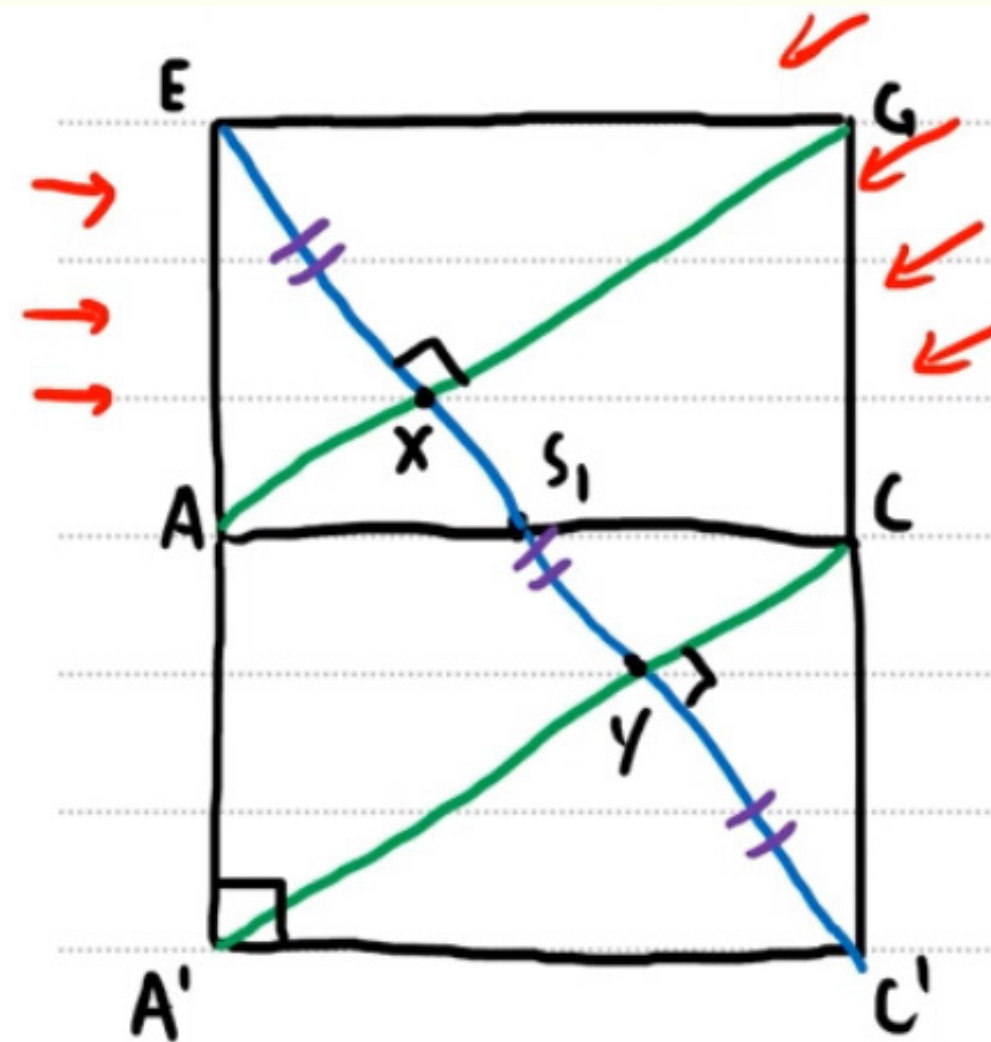
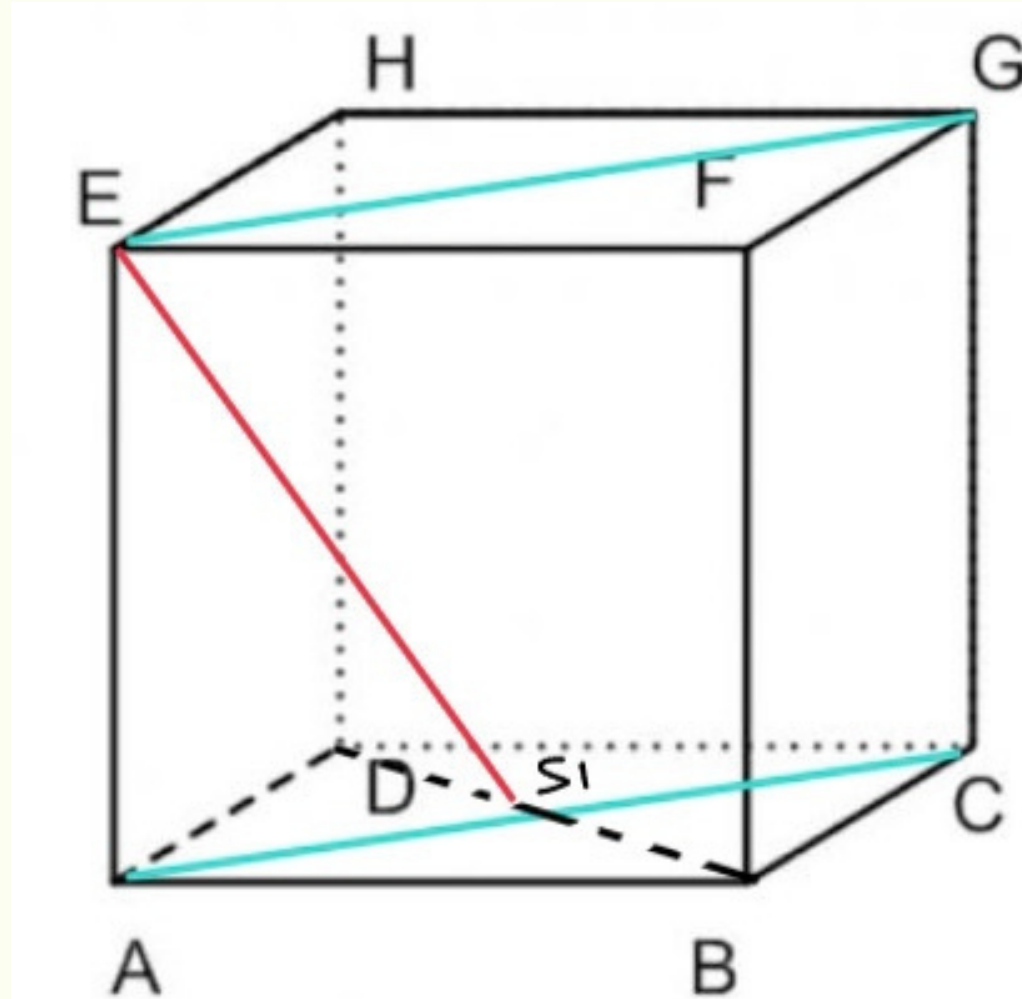


$$\begin{aligned} L1 &= L2 \\ \cancel{1/2} \cancel{1/2} \cancel{a\sqrt{2}} \cancel{a} &= \cancel{1/2} \cancel{1/2} a\sqrt{6} \quad t \\ t &= a\sqrt{3}/3 \end{aligned}$$

Tentukan Panjang Proyeksi dari :

a. Garis ES1 pada Garis GC

b. Garis GC pada Garis ES 1



a. Proyeksi = GC

Panjang Proyeksi = a

b. Proyeksi = XY

$$EC' = \sqrt{(EA')^2 + (A'C')^2}$$

$$= \sqrt{(2a)^2 + (a\sqrt{2})^2}$$

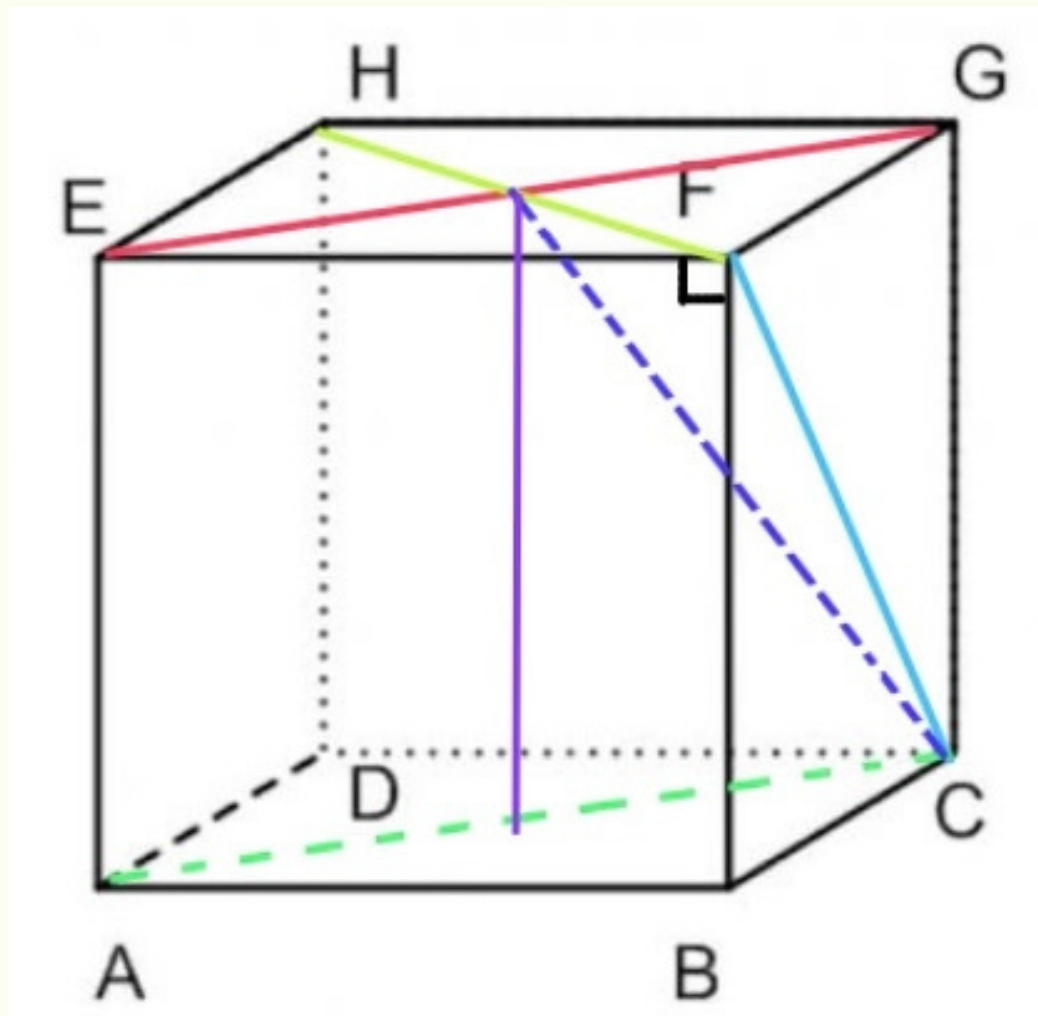
$$= \sqrt{4a^2 + 2a^2}$$

$$= \sqrt{6a^2}$$

$$EC' = a\sqrt{6}$$

$$XY = \frac{1}{3} EC' = \frac{1}{3} a\sqrt{6}$$

Tentukan Panjang Proyeksi CF pada ACGE



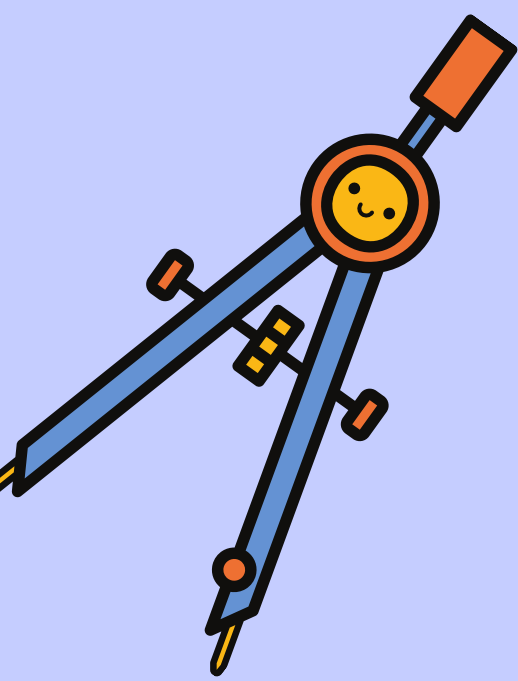
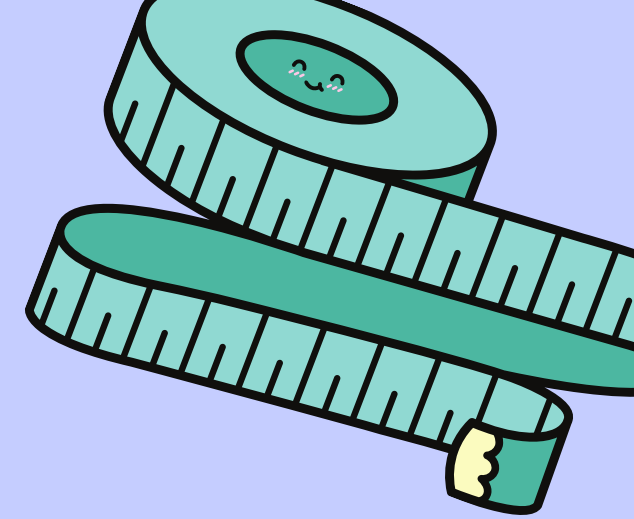
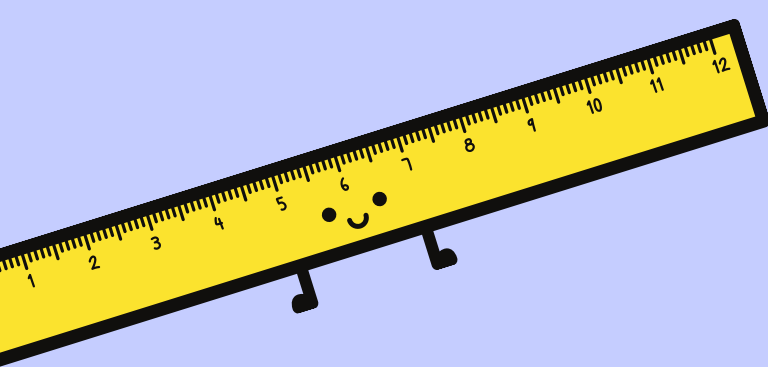
$$\begin{aligned}CS6 &= \sqrt{a^2 + (1/2a\sqrt{2})^2} \\ &= 1/2a\sqrt{6}\end{aligned}$$

By the end of this lesson...

- Learning Outcome 1

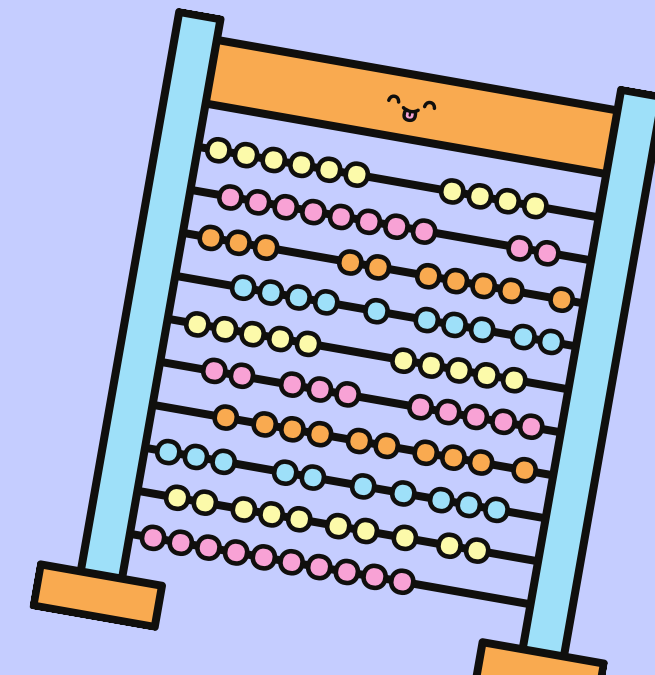
- Learning Outcome 2

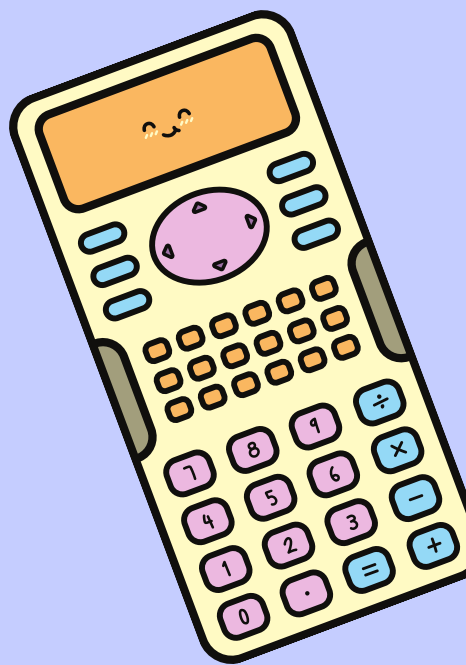
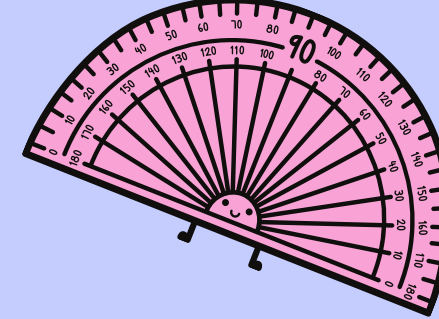
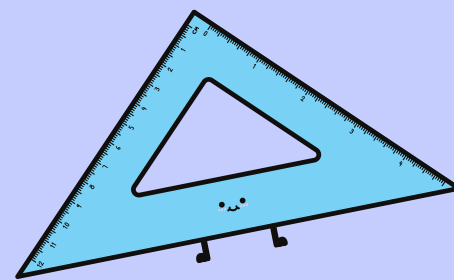
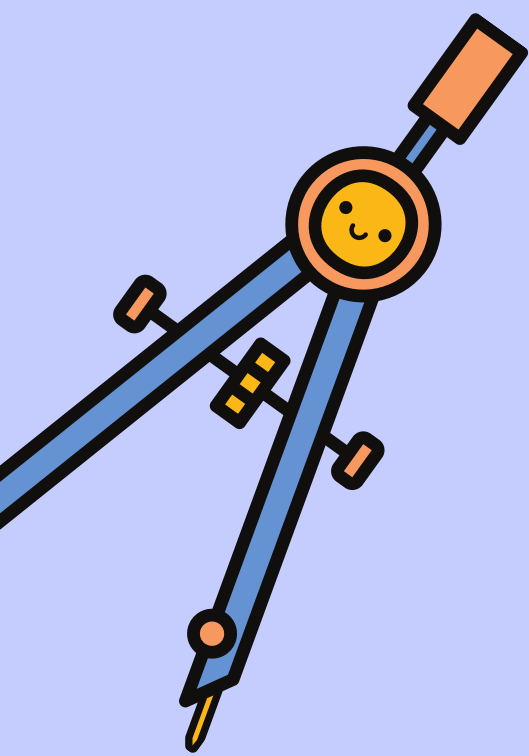
- Learning Outcome 3



Need help?

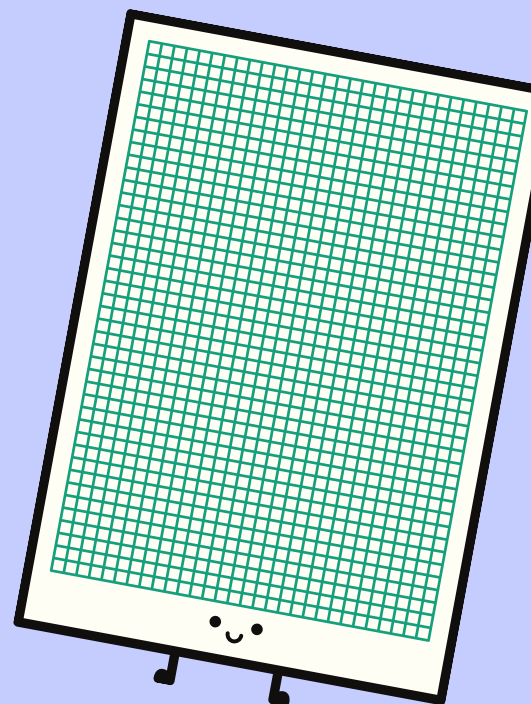
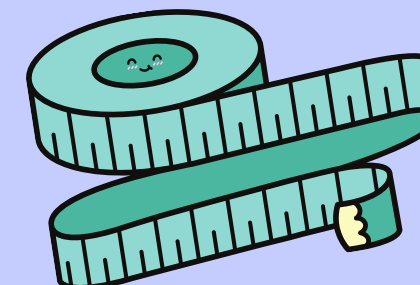
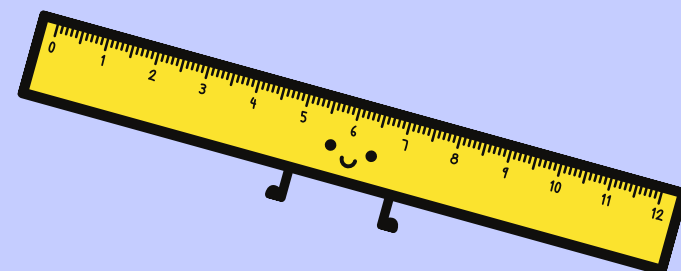
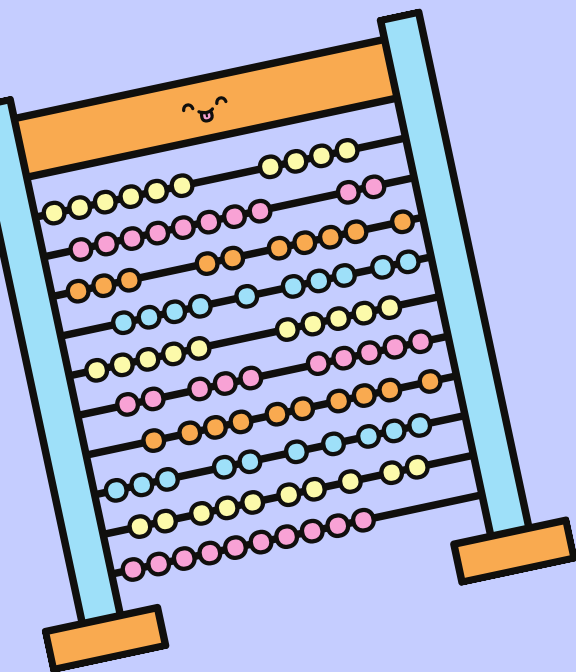
Recall important details of the lesson and
ask for feedback.





You did great.

See you next time!

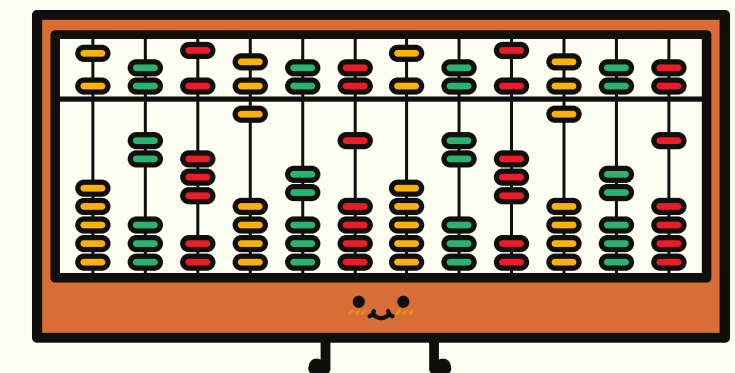
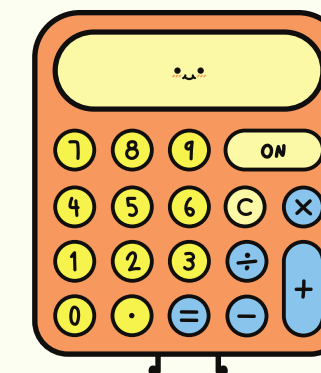
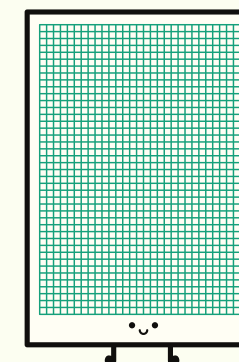
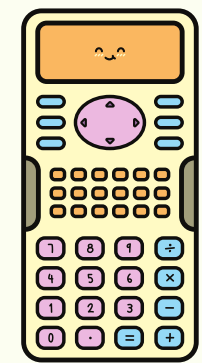
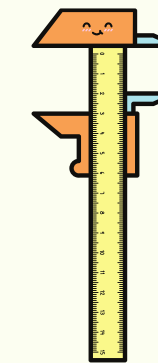
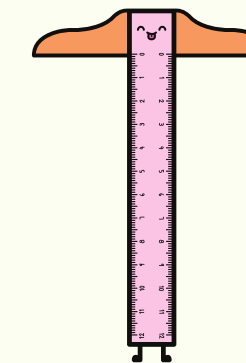
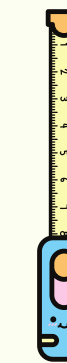
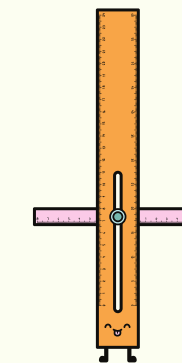
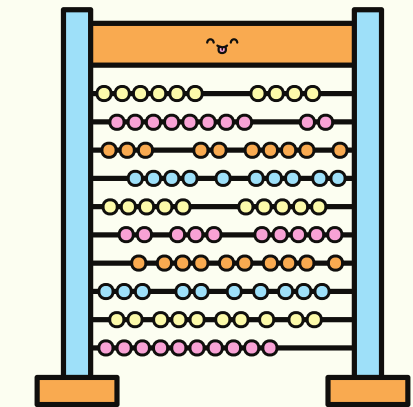
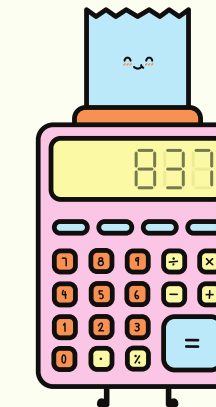
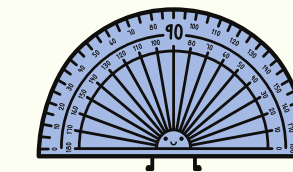
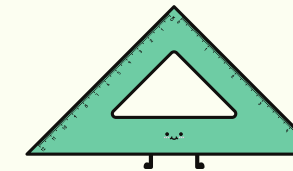
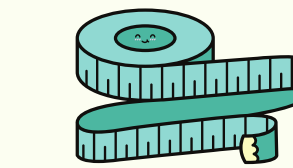
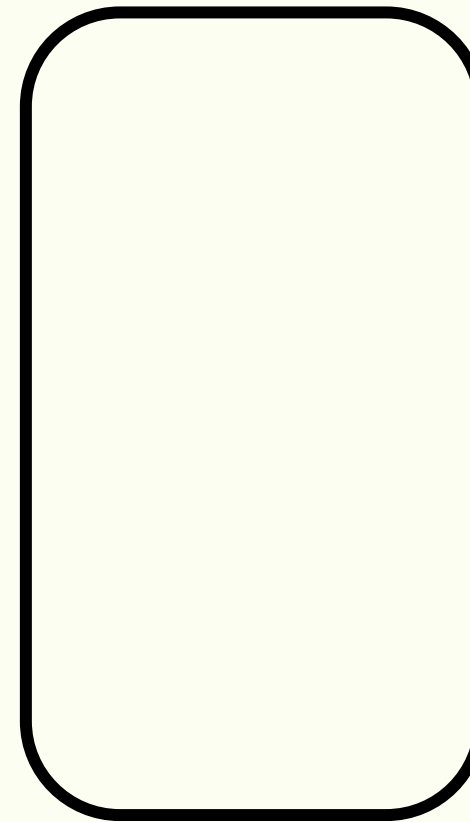


Resource Page

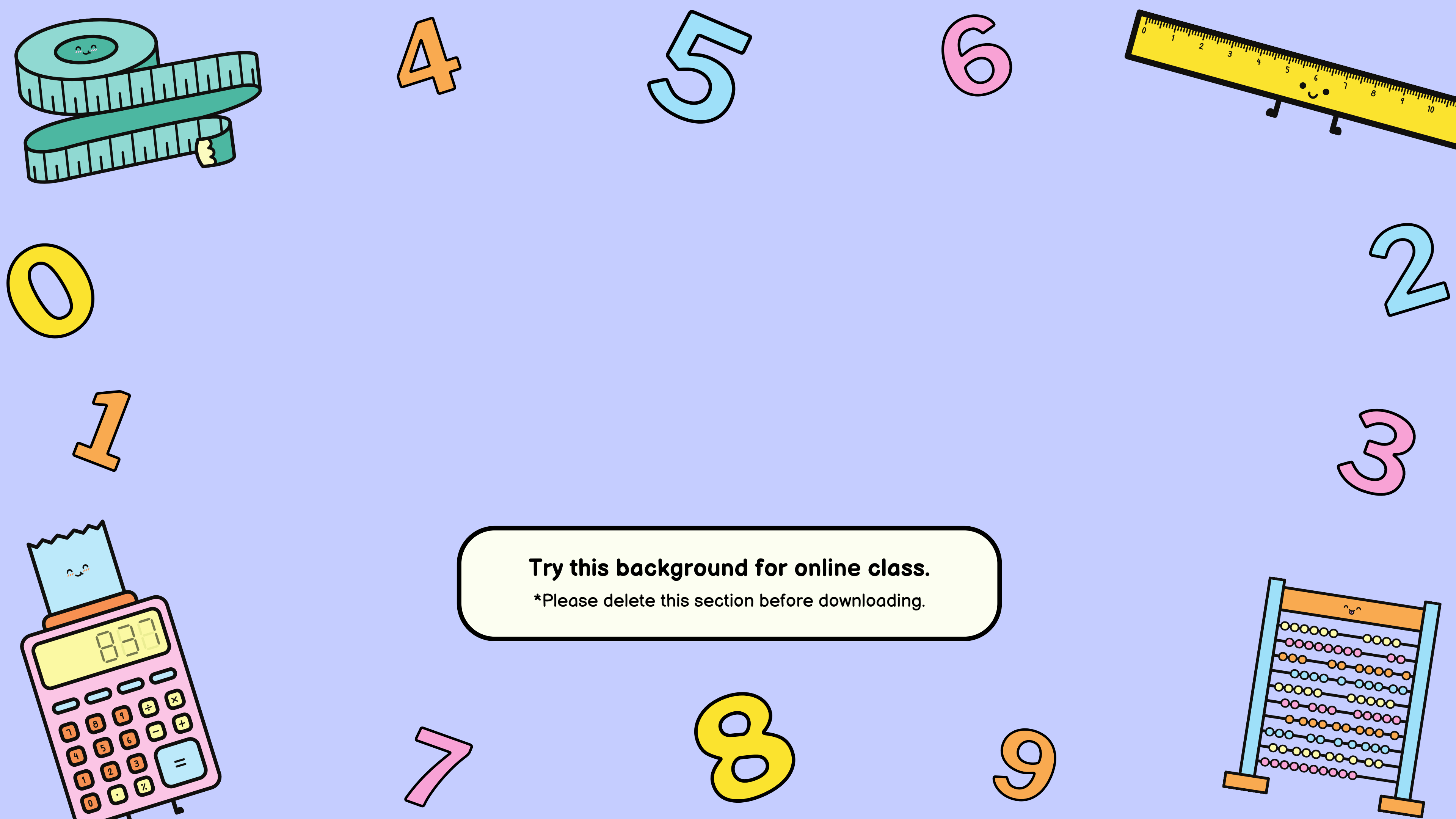
Heading

Heading 2

Body Copy Text



Use these elements in your Canva Presentation. Happy designing! Don't forget to delete this page before presenting.



Try this background for online class.

*Please delete this section before downloading.

**Press
these keys
while on
Present
mode!**

B for blur

C for confetti

D for a drumroll

M for mic drop

O for bubbles

Q for quiet

U for unveil

**Any number from 0-9
for a timer**

Keyboard Shortcuts

TEXTS AND SHAPES



to add a textbox



to add a line

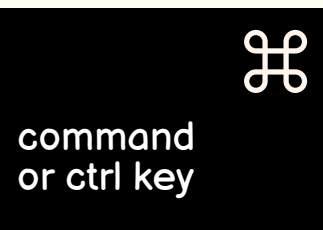


to add a
resizable rectangle



to add a circle

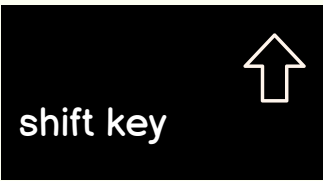
SELECTING ELEMENTS



and



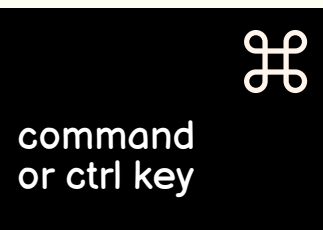
To select element
behind



and



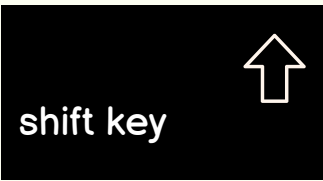
To add/remove
selected element



and



To select
all elements

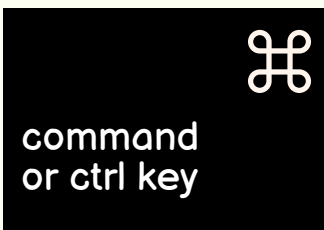


and



To group
all elements

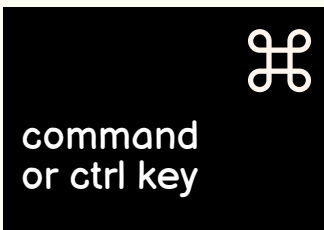
OTHERS



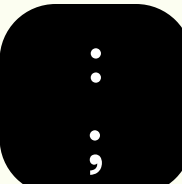
and



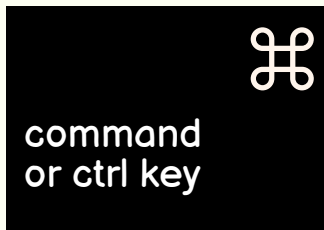
To duplicate
elements



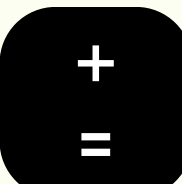
and



To show
grid lines



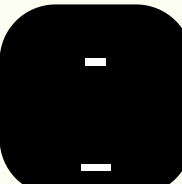
and



To zoom in



and



To zoom out