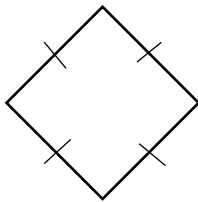


KUNCI JAWABAN

“ GUNDALA MATH “

1. Sepasang sudutnya sama besar
2. (i) Sisi-sisi yang berhadapan sama panjang
 (iii) Sudut-sudut yang berhadapan sama besar
 (iv) Jumlah sudut-sudut yang berdekatan adalah 180°

3.



$$d1 = 18 \text{ cm}$$

$$d2 = 24 \text{ cm}$$

- $\frac{1}{2} d1 = \frac{1}{2} \times 18 \text{ cm} = 9 \text{ cm}$
- $\frac{1}{2} d2 = \frac{1}{2} \times 24 \text{ cm} = 12 \text{ cm}$

Rumus :

$$AB = \sqrt{12^2 + 9^2}$$

$$K = 4 \times AB$$

$$AB = \sqrt{144 + 81}$$

$$4 \times 25 = 60 \text{ cm}$$

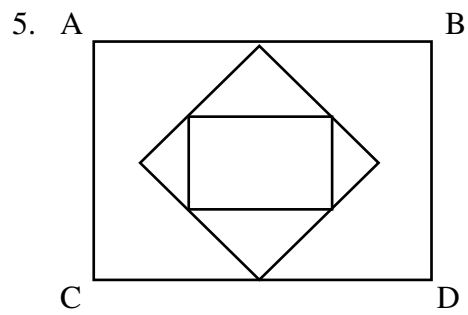
$$AB = \sqrt{225}$$

$$AB = 15 \text{ cm}$$

$$4. \quad 18 \times 14 = 252 \text{ m}^2$$

$$252 \text{ m}^2 \times 500.000,00 \text{ m}^2 = 126.000.000 \text{ m}^2$$

$$\text{Maka : } \frac{126.000.000}{2} = 63.000.000$$

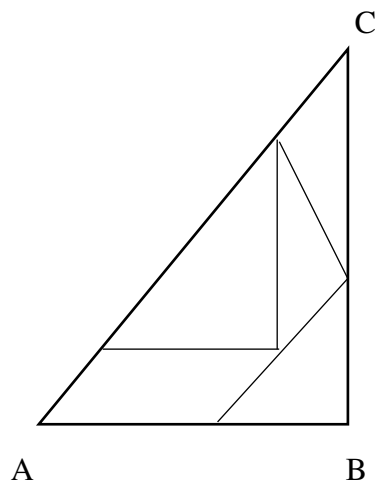


Misal :

Cari Panjang WX dari luas persegi

$$L = s \times s$$

$16 = 4 \times 4$, maka panjang WX adalah 4cm



$$WY^2 = WX^2 + XY^2$$

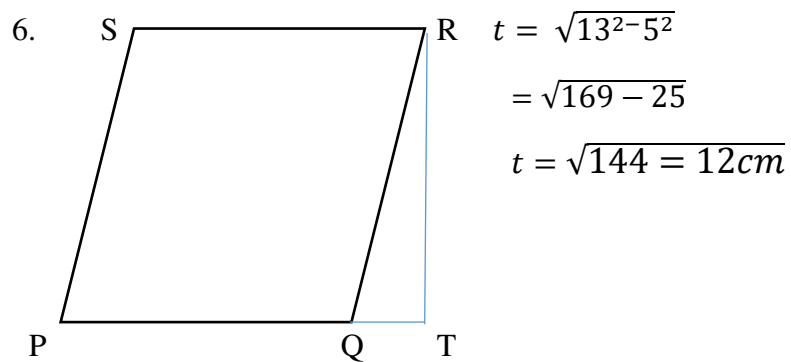
$$= 4^2 + 4^2$$

$$WY^2 = 16 + 16$$

$$WY = \sqrt{16 + 16}$$

$$WY = \sqrt{32}$$

$$WY = 4\sqrt{2}$$



$$t = \sqrt{13^2 - 5^2}$$

$$= \sqrt{169 - 25}$$

$$t = \sqrt{144} = 12cm$$

Jadi,

$$L = a \times t$$

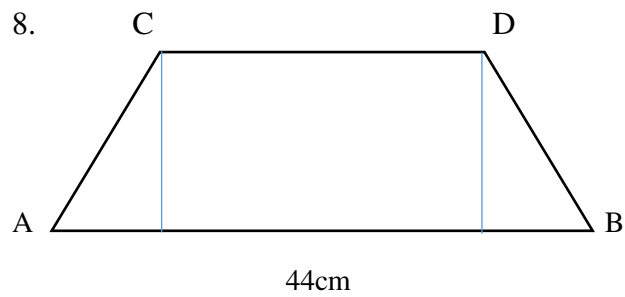
$$L = 9 \times 12$$

$$L = 108 cm^2$$

7. $\frac{68}{4} = 17$ (Keliling)

Jadi,

- $L = \frac{1}{2} \times AC \times BD$
- $L = \frac{1}{2} \times 17 \times 30$
- $L = \frac{1}{2} \times 510 = 225 \text{ cm}^2$



- $L = \frac{1}{2} \times (ab + cd) \times 16$
- $L = \frac{1}{2} \times (44 + 20) \times 16$
- $\frac{(64 \times 16)}{2} = 512 \text{ cm}^2$

9. Luas Permukaan

Cara I :

- $12cm + 3cm = 15 cm^2$
- $8cm + 3cm = 11 cm^2$

Cara II :

- $(15cm \times 11cm) - (12cm \times 8cm)$
 $= 165cm^2 - 96cm^2$
 $= 69cm^2$

10. Luas persegi panjang

cara 1 :

Jadi masing masing di bagi terdahulu

$$9 : 3 = 3 \text{ dan } 5 : 5 = 1$$

Untuk mencari luas persegi panjang dirumuskan :

Luas persegi panjang :

$$l = p \times l$$

$$lp = 3 cm \times 1 cm = 3 cm^2$$