Nama/Kelas = ...

Tuas/Pengungkit



Sumber: Dok. Kemdikbud

Gambar 2.8 Posisi Lengan Kuasa dan Lengan Beban

Karena syarat kesetimbangan tuas adalah $F_B \times L_B = F_K \times L_K$

dan $KM = \frac{F_B}{F_K}$, maka $KM_{tuas} = \frac{L_K}{L_B}$

dengan :

KM = keuntungan mekanis

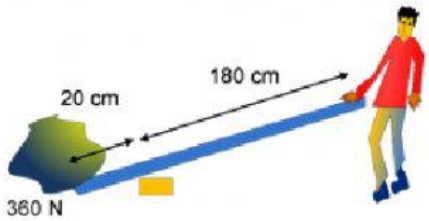
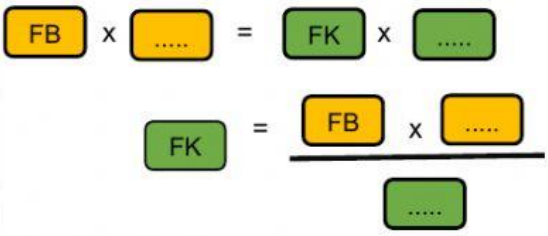
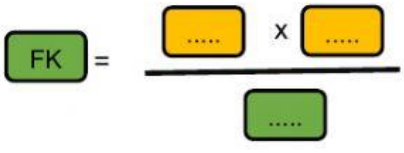
F_B = gaya beban

F_K = gaya kuasa

L_K = lengan kuasa

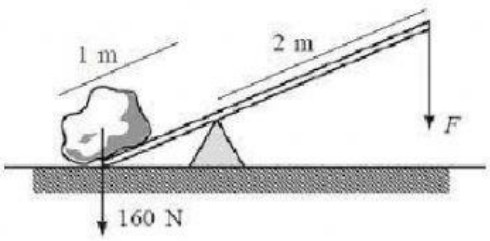
L_B = lengan beban

Latihan Soal !

Soal :	Jawab :
	Rumus 
Diketahui :	Masukkan Angka 
FB = ... N	
LB = ... cm	
LK =..... cm	Hasil 
Ditanya :	
FK = ... ?	

LIVEWORKSHEETS

Soal :



Diketahui :

FB = ... N

LB = ... m

LK =..... m

Ditanya :

FK = ... ?

Jawab :

Rumus

FB x ..... = FK x .....

$$FK = \frac{FB \times .....}{.....}$$

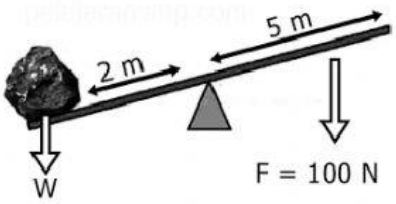
Masukkan Angka

$$FK = \frac{..... \times .....}{.....}$$

Hasil

FK = ... N

Soal :



Diketahui :

FK = ... N

LB = ... m

LK =..... m

Ditanya :

FB/W = ... ?

Jawab :

Rumus

FB x ..... = FK x .....

$$FB = \frac{FK \times .....}{.....}$$

Masukkan Angka

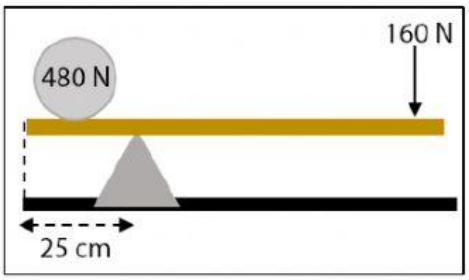
$$FB = \frac{..... \times .....}{.....}$$

Hasil

FB = ... N

LIVEWORKSHEETS

Soal :



Diketahui :

FB = ... N

FK = ... N

LB = ... cm

Ditanya ?

LK =..... cm

Jawab :

Rumus

FB x ..... = ... x LK

$$LK = \frac{FB \times .....}{.....}$$

Masukkan Angka

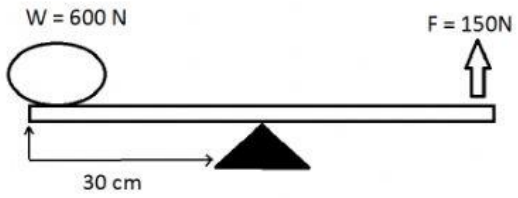
$$LK = \frac{..... \times .....}{.....}$$

Hasil

LK = ... cm

= ..... m

Soal :



Diketahui :

FB/W = ... N

FK = ... N

LB = ... cm

Ditanya ?

LK =..... cm

Jawab :

Rumus

FB x ..... = ... x LK

$$LK = \frac{FB \times .....}{.....}$$

Masukkan Angka

$$LK = \frac{..... \times .....}{.....}$$

Hasil

LK = ... cm

= ..... m

LIVEWORKSHEETS