

Booklet # 56

Who has done more work?



Chizurum



Kelsey

Who is more powerful?

NAME: (I will collect the Booklet 5 minutes before the end of the period)

#1 (Do now)

Chiz took (Find it out from the video using stop-watch) second to lift a 1000 kg container from the second floor the 3rd floor, which is 3 meter long. Kelsey took (find it out from the video) seconds to do the same job. Who has done more work? Who is more powerful? Explain your answer.

Data (Chiz)	Data (Kelse)	Equations

PART # 1 (Work)

Hypothesis:

Work done by Chiz:	Work done by Kelsey:

Accept or reject the hypothesis:

Part # 2: Power

Ho:		
Data (Chiz)	Data (Kelse)	Equations
Power of Chiz:		Power of Kelsey:
Accept or reject the hypothesis:		
Final Comments:		

Derick, who has 4 horsepower, lift a 130 KG mass from 2nd to 3rd floor, which is 3 meter long. How many second does it take?

Data	Equation	Math	Answer

#3

A 200 Hp motor lifts an elevator 17 meter in 10 seconds. Find the mass of the elevator.

Data	Equation	Math	Answer

#4

Divagh, who has 2.5 Hp, raises a mass of 780 kg to the top of Mr. Bari's closet in 20 seconds. Find the height of Mr. Bari closet.

Data	Equation	Math	Answer
			a. 5 meter b. 5.08 meter c. 6 meter d. 6.08 meter

#5

Divagh, who has 2.5 Hp, raises a mass of 780 kg to the top of Mr. Bari's closet in 20 seconds. Find the height of Mr. Bari closet.

Data	Equation	Math	Answer
			e. 5 meter f. 5.08 meter g. 6 meter h. 6.08 meter

#6

	Take Out a laptop and start working on your presentation.	
	You have to work with your partner to create a presentation using Google slides.	
	Example	Example
Names	Chiz	Kelsey
Description	slow	fast
	Share your Google slides with me immediately so that I can put the video on it.	