

Converting Units

3.6 feet >> to >> inches?

feet * 12 = inches

3.6 cms = cubic meters per second ... to ... LPM = liters per minute?

cms * ? you may know some relationships and take a long route



How many gallons is that in a minute?

Large Volumes of Water are better understood in alternate units						
Such as Acre-Feet						
Work with someone nearby - Take 5 min to convert						

5000 AFY = Acre feet per year > to > GPM Gallons per minute

Conversion books / Dictionary / Web Search

AFY * ? One source of information: http://www.unc.edu/~rowlett/units/dictA.html

5000 <u>acre-ft</u>	* <u>43560ft²</u>	² * 7.48	gallons * <u>1</u>	<u>hr</u> * <u>1</u>	<u>day</u> * <u>1 yr</u>	
yr	1 acre	1	ft ³ 60	min 24	hr 365day	
~ 3000 <u>gallor</u> min	or wit	h <u>1440r</u> day	<u>nin</u> & <u>~200c</u> home-e	<u>al</u> e day ~22	nough for 2,000 homes	
Handy Hydro Conversions:						
7.48 gallons 1 ft ³	<u>62.4 lb</u> 1 ft ³	<u>8.34lb</u> 1 gal	<u>86,400sec</u> 1 day	<u>1440 m</u> 1 day	<u>in 1m</u> 3.28ft	

ESTIMATE: Flow from your kitchen faucet Flow from your garden hose Flow from a gasoline pump at a gas station Flow in Clear Creek Today

ESTIMATE:

Flow from your kitchen faucet ~ 2-3 GPM Flow from your garden hose ~ 2-5 GPM Flow from a gasoline pump ~ 10 GPM Flow in Flow Clear Creek Today – what was it?