VOLUME OF A PYRAMID

Transcription of the video *http://www.youtube.com/watch?v=YjGVFPtNTHw*

Notice that the figure shown here is a pyramid.

To find the volume of a pyramid we use the formula :

"volume equals one third times the area of the base times the height"

or "V equals one third timed capital B times h"

Here, let's start by finding the area of the base.

Notice that the base is a rectangle, so we can find the area by multiplying the length times the width,

or three point five yards times one point five yards

which is equal to five point two five yards squared.

Now, we know the capital B is equal to five point two five yards squared, so we have :

one third times five point two five yards squared times the height, which is five yards.

Now, five point two five yards squared times five yards is equal to twenty six point two five yards cubed.

So we have one third times twenty six point two five yards cubed,

which is equal to height point seven five yards cubed.

So the volume of the pyramid shown here is height point seven five yards cubed.