Volume and Surface Area with Mixed Imperial

Unit 5 – Lesson 7

1. Cosider the bales of hale below.
2. Determine the volume in m3 of the hay in a bale.
3. Determine the area in m2 of the shrink-wrap protective cover placed on the bale.
4. How much shrink-wrap is needed if the wrap does not cover the ends of the roll?

[](http://www.google.ca/imgres?q=image+bale+of+hay&hl=en&sa=X&biw=1280&bih=672&tbm=isch&prmd=imvns&tbnid=O5bY8B5hcd-N2M:&imgrefurl=http://farmvillelatest.com/farmville-swiss-alps-decorations-swiss-cable-car-floral-pool-floral-sculpture-swiss-hay-bale.html&docid=-H9ZFpx0lUapWM&imgurl=http://farmvillelatest.com/wp-content/uploads/2010/07/LE_Swiss_Hay_Bale.png&w=100&h=100&ei=CxbkTpuUJ8Xk0QH4643XBQ&zoom=1)

5’ 9’’

5’ 4’’

1. Determine the volume of this shed in cubic metres.

[](http://www.google.ca/imgres?q=image+of+a+shed&hl=en&biw=1280&bih=672&tbm=isch&tbnid=5VTlrdJXqip5hM:&imgrefurl=http://www.finehomebuilding.com/pages/how-to-build-a-shed/&docid=ReJr4WDJf_UwPM&imgurl=http://www.finehomebuilding.com/pages/how-to-build-a-shed/images/Shed-SketchUp-Plan.jpg&w=291&h=250&ei=exjkTquyDIXI0QGNvLHUBQ&zoom=1)

8’ 4’’

5’ 2’’

7’ 4’’

2’ 4’’

1. Determine the surface area of the shed above.
2. Homework: pg 81-85 #2,3,4,5,6,11,12,15,16,17