Small cone

Large cone

V=1080cm3

V=1715cm3

A.S.F=L.S.F2

Therefore;

A.S.F=(1.167)2

=1.362(4sf)

Large cone(L)/small cone(S) =1.362

L=1.362 X 840cm2

Ans. =1144.08cm2

L.S.F2=A.S.F

L.S.F3=V.S.F

V.S.F

V.S.F=vol. of large cone/vol. of small cone

V.S.F=1715cm3/1080cm3

=1.588(4sf)

L.S.F=3√(1.588)

=I.167(4SF)