Volume of a cone

122a

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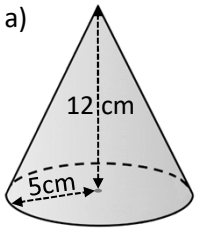
Name:

Calculate the **volume** of these cones (give your answer to 1 decimal place):

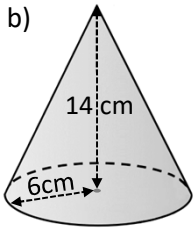
Diagrams not drawn to scale

a)



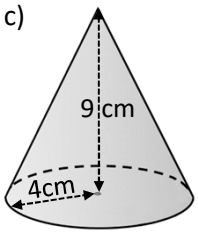
$314.2cm^3$

b)



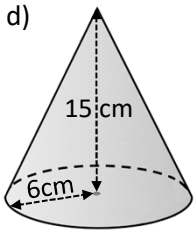
$527.8cm^3$

c)



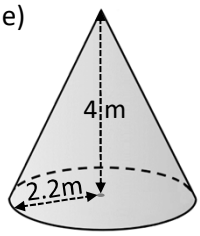
$150.8cm^3$

d)



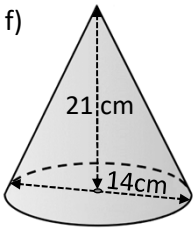
$565.5cm^3$

e)



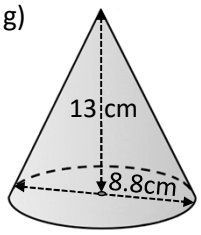
$20.3m^3$

f)



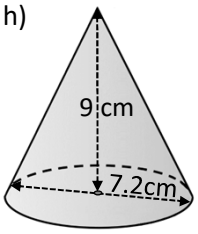
$1077.6cm^3$

g)



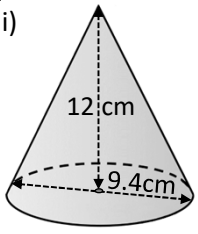
$263.6cm^3$

h)



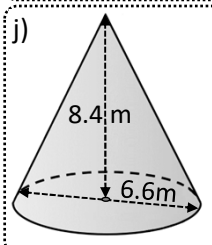
$122.1cm^3$

i)



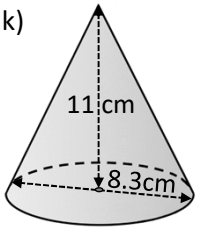
$277.6cm^3$

j)



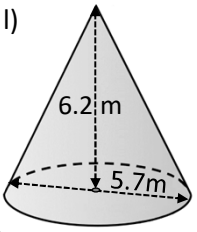
$95.8m^3$

k)



$198.4cm^3$

l)



$52.7cm^3$

Exam question:

A cone has base diameter of 21cm and perpendicular height 30cm.

Work out the volume of the cone.

Give your answer to the nearest one decimal place.

$4154.8cm^3$

Volume of a cone (given slope length)

122b

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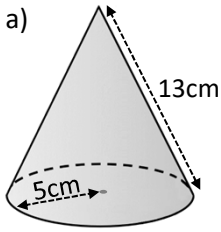
Name:

Calculate the **volume** of these cones (give your answer to 1 decimal place):

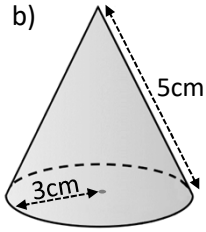
Diagrams not drawn to scale

a)



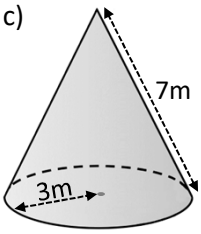
$314.2cm^3$

b)



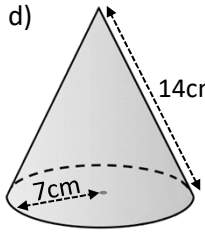
$37.7cm^3$

c)



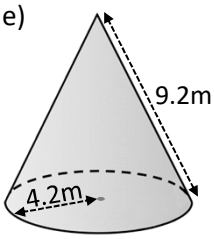
$59.6m^3$

d)



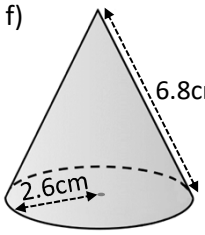
$622.1cm^3$

e)



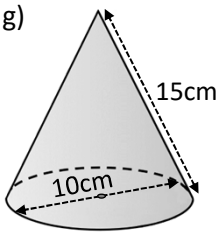
$151.2m^3$

f)



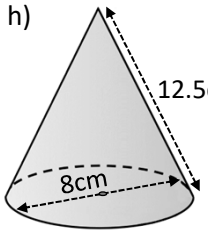
$44.5cm^3$

g)



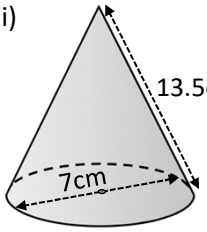
$370.2cm^3$

h)



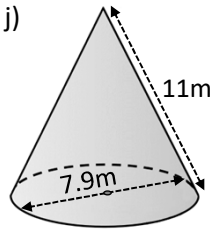
$198.4cm^3$

i)



$167.3cm^3$

j)



$167.7m^3$

Exam question:

A cone has base radius 12cm and slant height 20cm.

Work out **the volume** of the cone.

Give your answer **in terms of π**

$768\pi cm^3$