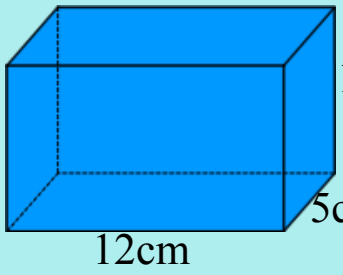
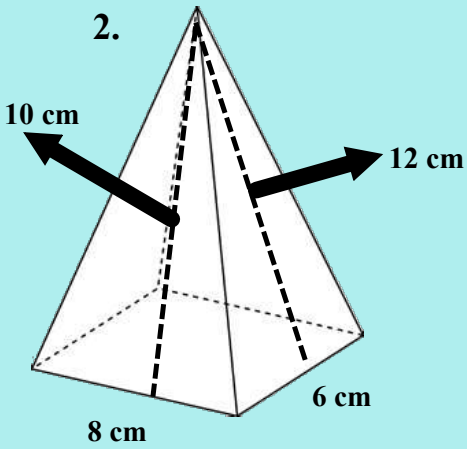
Calculate the surface area of the following 3D-Shapes.

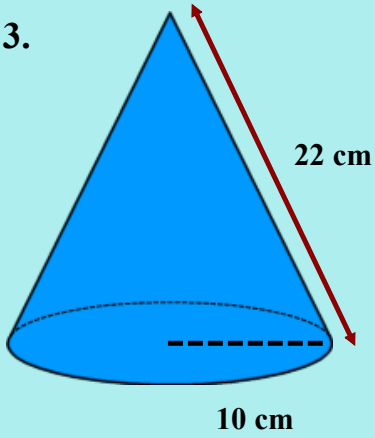
1.



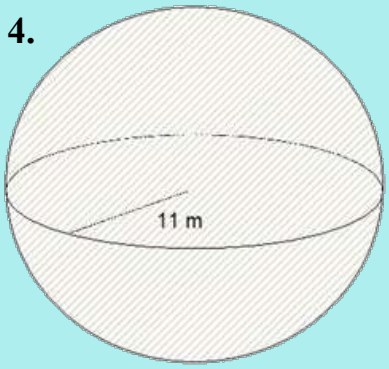
2.



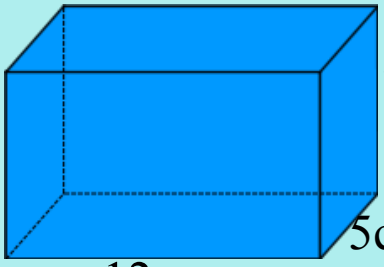
3.



4.



Calculate the surface area of the following 3D-Shape.



Top & Bottom x 2

A = 2(L x W)
A = 2(12 x 5)
A = 2(60)
A = 120 cm²

Front & Back x 2

A = 2(L x W)
A = 2(12 x 10)
A = 2(120)
A = 240 cm²

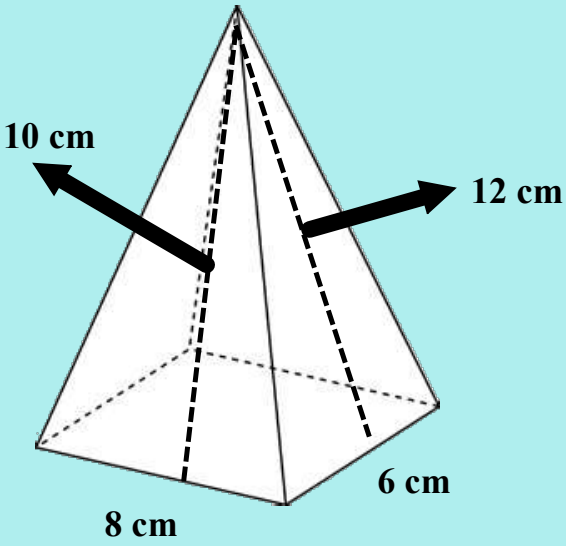
Sides x 2

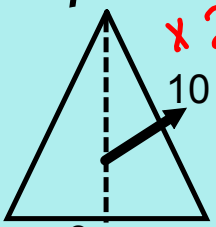
A = 2(L x W)
A = 2(5 x 10)
A = 2(50)
A = 100 cm²

Total Surface Area

120 cm²
+ 240 cm²
100 cm²
460 cm²

Calculate the surface area of the following 3D-Shape.





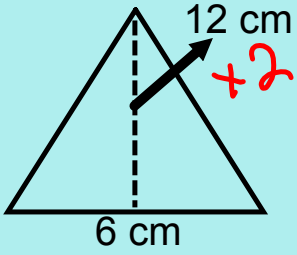
x 2

Front & Back

$2 \times \left(\frac{b \times h}{2}\right)$

$2 \times \left(\frac{8 \times 10}{2}\right)$

$= 80\ cm^2$



x 2

Sides

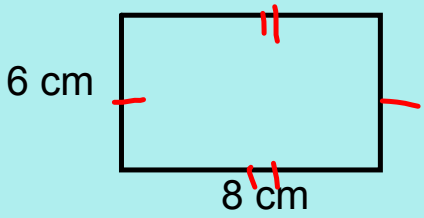
$2 \times \left(\frac{b \times h}{2}\right)$

$2 \times \left(\frac{6 \times 12}{2}\right)$

$= 72\ cm^2$

Total = 80 + 72 + 48

$= 200\ cm^2$

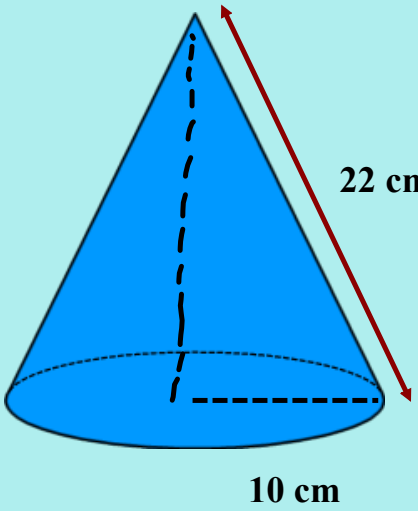


$A = l \times w$

$= 6 \times 8$

$= 48 cm^2$

Calculate the surface area of the following 3D-Shape.



$SA = \pi r^2 + \pi rs$

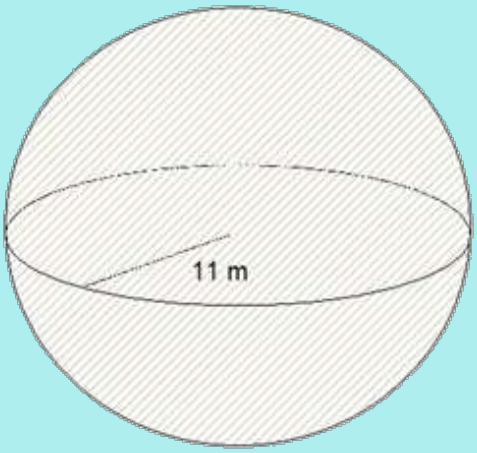
$SA = (3.14)(10)^2 + (3.14)(10)(22)$

$SA = (3.14)(100) + 690.8$

$SA = 314 + 690.8$

$SA = 1004.8\ cm^2$

Calculate the surface area of the following 3D-Shape.



$SA = 4\pi r^2$

$SA = 4(3.14)(11)^2$

$SA = 4(3.14)(121)$

$SA = 1519.76\ m^2$

Assignment

Page 171- 172
#1 - #5

Attachments

Methods_of_Determining_Probability.asf

The_Many_Sided_World_of_Geometry__Program_6__Figuring_Out_Area.asf