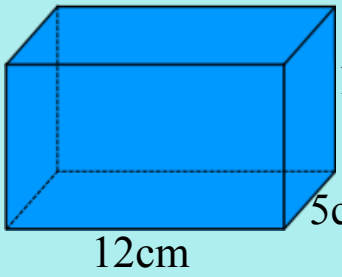
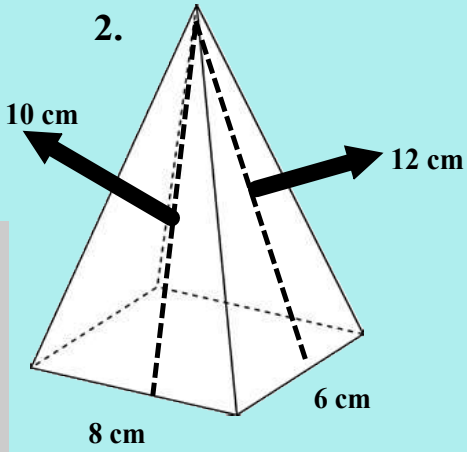
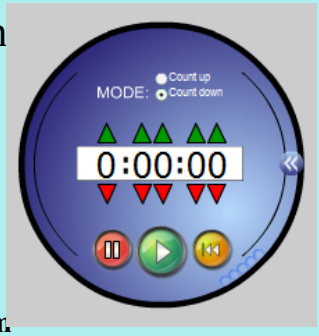
Calculate the surface area of the following 3D-Shapes.

1.

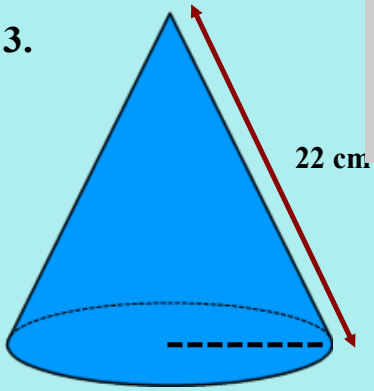


2.

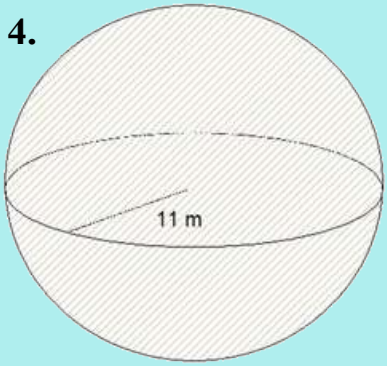




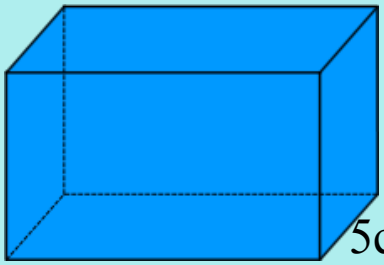
3.



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 cm^2

Front & Back x 2

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

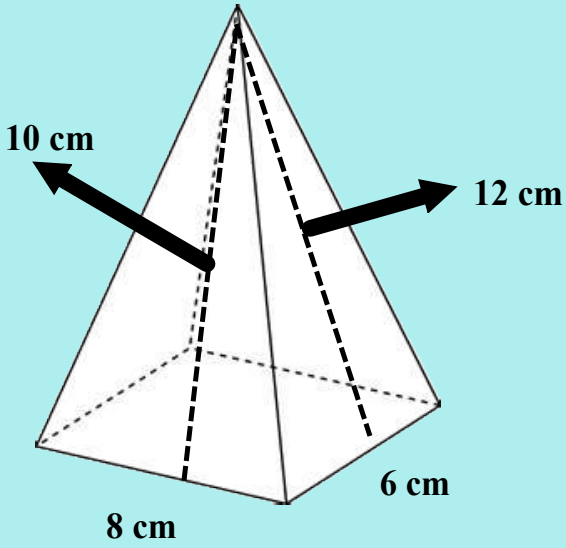
Sides x 2

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

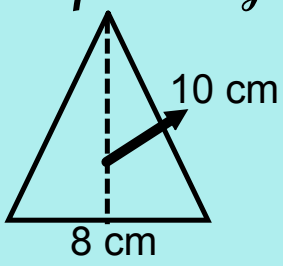
Total Surface Area

120 cm^2
+ 240 cm^2
100 cm^2
460 cm^2

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



Total = 80 + 72 + 48
= 200 cm^2

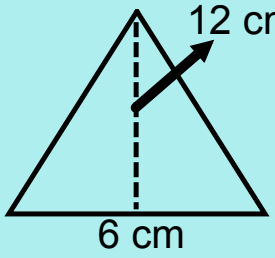


Front & Back

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

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

= 80 cm^2

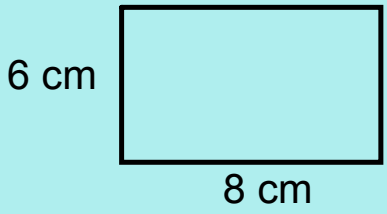


Sides

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

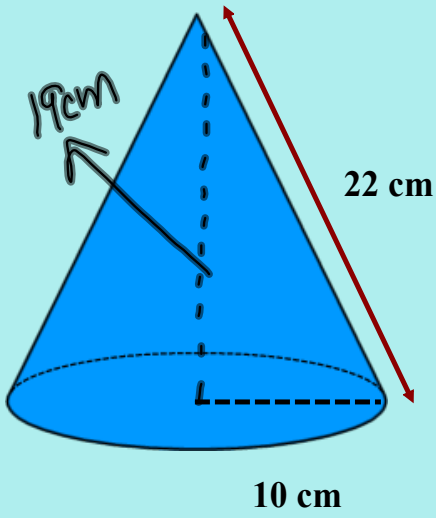
$2 \times \left(\frac{6 \times 12}{2}\right)$

= 72 cm^2



A = l x w
= 6 x 8
= 48cm^2

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



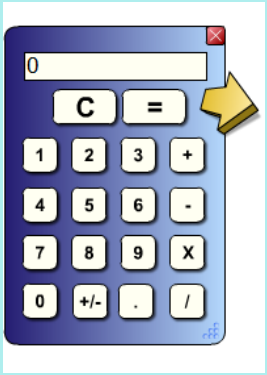
$$SA = \pi r^2 + \pi rs$$

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

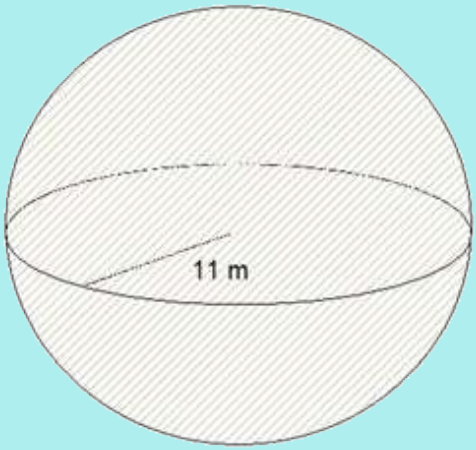
$$SA = (3.14)(100) + 690.8$$

$$SA = 314 + 690.8$$

$$SA = 1004.8\ cm^2$$



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



$$SA = 4\pi r^2$$
$$SA = 4(3.14)(11)^2$$
$$SA = 4(3.14)(121)$$
$$SA = 1519.76 \text{ m}^2$$

Attachments

Methods_of_Determining_Probability.asf

The_Many_Sided_World_of_Geometry__Program_6__Figuring_Out_Area.asf