1. Convert 100 inches into
feet and inches

8ft 4in

Convert 320 inches into feet and inches

26ft 8 in

Convert 205 inches into feet and inches

17ft lin

2. I am am making a flower bed for my front lawn and need to by the material in 8 ft lengths, how many boards would I need to purchase for a flower bed that is 200 inches by 150 inches?

150 200 4

700 inclus

500 3000000

boards

I am am making a flower bed for my front lawn and need to by the material in 6 ft lengths, how many boards would I need to purchase for a flower bed that is 500 inches by 250 inches?



72

21 boards

I am am making a flower bed for my front lawn and need to by the material in 11 ft lengths, how many boards would I need to purchase for a flower bed that is 300 inches by 100 inches?

100

800 in

7 boards

3. Convert 123456 ft into miles

23,38 mi

Convert 135490 cm into meters

135490 = 1354.9M

Convert 25 yrds into inches

25 x 36

900 in

4. A circular carpet has an area of 113.10 m^2 . What is the radius in cm?

A TITE

113.10 = TT2

6=1

A square flower bed has an area of 1225 ft^2 . What is the side length in inches?

5

35-f+

125/= 82 420 in

A circle on the end of a telescope has an area of $28.27 \ cm^2$. What is the length of the radius in inches?

28.27= TTr2

t= 3cm

6m=r 600 cm 3 = 1.18 in

5. 42 ounces is how many grams?

42 TRAMA

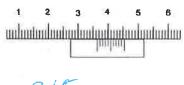


1275 grams is how many pounds?

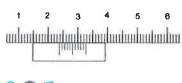
4.25 meters is how many inches?

425 cm

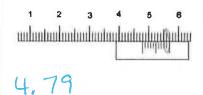
6. What does this vernier caliper read as?



What does this vernier caliper read as?



What does this vernier caliper read as?

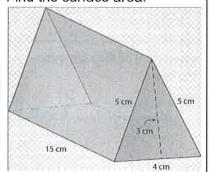


3.65

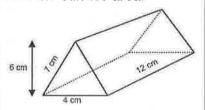
2.37

7. Find the surface area: Find the surface area:

5 feet



Find the surface area:



Z Δ's
3 □'s

3 feet

$$2(\frac{1}{2}, \frac{3}{4}) = 12$$
 $1 \times 5 = 35$

4 feet

$$7x3 = 21$$

96ft2

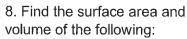
2 A's $2 \text{$

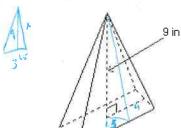
222cm2

2 A's 2 □'s 1 □ 2(华) 4×12 2(7×12)

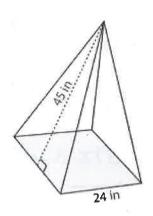
3240 cm2



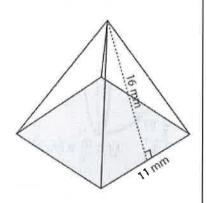




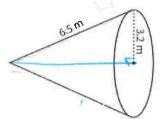
Find the surface area and volume of the following square based pyramid:



Find the surface area and volume of the following square based pyramid:



9. Find the surface area and volume of the following:

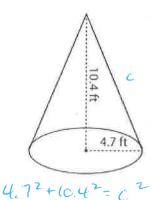


SA = TTr + TTrs T(3.2) +T(3.2)(6.5) SA = 91.5 m

$$V = \frac{1}{3}\pi r^{2}h$$

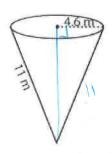
 $6.5^{2} - 3.2^{2} = h^{2}$
 $h = 5.65.77$

Find the surface area and volume of the following:



C=11.4127

Find the surface area and volume of the following:



$$SA = tTr^{2} + tTrs$$

= $TT(4.6)^{2} + TT(4.6)(11)$
= 225.4

$$U = \frac{1}{3} \pi r^{2} h$$

$$= \pi (4.6)^{2} (9.9920)$$
3

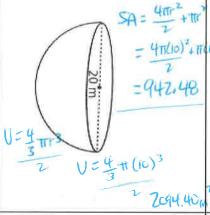
$$V = 60.67 \text{ m}^3$$

$$V = \frac{1}{3}\pi(3.2)^{2}(5.6577) \quad V = \frac{1}{3}\pi r^{2}h$$

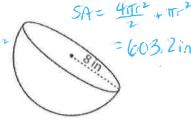
$$V = (60.67 \text{ m}^{3}) \quad V = \pi(4.7)^{2}(10.4)$$

$$V = 740.6 \text{ ft}^{3}$$

10. Find the surface area and volume of the following:

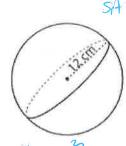


Find the surface area and volume of the following:



$$V = \frac{4}{3}\pi r^3 \div 2$$
 $10.72.3 \text{ in}^3$

Find the surface area and volume of the following:



= 18 412 cm = 2261.9ca

11. A cone has it's top cut of. Find the surface area and volume of the cone if the bottom circle has a radius of 6cm and the top circle has a radius of 3cm and the distance from the top to the bottom is 5cm



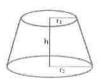
$$5A = 306, 24 cm^{2}$$

 $V = 329,87 cm^{3}$

A cone has it's top cut of. Find the surface area and volume of the cone if the bottom circle has a radius of 5cm and the top circle has a radius of 2cm and the distance from the top to the bottom is 6cm



A cone has it's top cut of. Find the surface area and volume of the cone if the bottom circle has a radius of 10cm and the top circle has a radius of 3cm and the distance from the top to the bottom is 7cm



12. Find the height of a cylinder if it's volume is 6000 cm^3 and it's radius is 5cm

$$V = \pi r^2 h$$

$$\frac{6000}{\pi (5)^2} = \pi (5)^2 h$$

Find the radius of a sphere if it's volume is $904 \ cm^3$

$$V = \frac{4}{3}\pi r^3$$
 $904 = \frac{4}{5}\pi r^3$
 $2712 = 4\pi r^3$
 $215.8141 = r^3$
 $r = 60$ cm

Find the height of a cone if the radius is 5 cm and the surface area is $650\,cm^2$

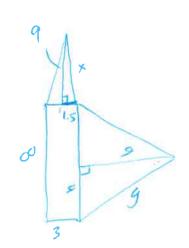


cm² SA=πr²+πrs



36 3803 - 5

5



$$1.5^{2}+9^{2}=x^{2}$$

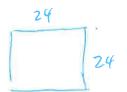
 $x = 9.1241$

$$9^{2}+4^{2}=y^{2}$$

 $y=9.8489$

$$9^{2}+4^{2}=y^{2}$$

 $y=9.8489$ $Z\Delta$'s $Z\left(\frac{3\times 9.8489}{2}\right)$



$$=4(\frac{24\times45}{2})+24^{2}$$

All triangles same

$$V = (24)^2 \cdot 43.3705$$

(80) All triangles same

$$SA = 4\Delta s + \Box$$

= $4(\frac{11 \times 16}{2}) + 11^{2}$
= 473 mm^{2}

Need height for Volume

$$V = (11^2)(15.0250) = 606.0 \text{ mm}^3$$

$$T(6) + T(6)(\sqrt{136})$$
 $- tt(3)(\sqrt{34})$
 $+ tt(3)^{2}$
 $\sqrt{3} + \frac{1}{3}tt^{2}h - \frac{1}{3}tt^{2}h$

$$V^{2} = \frac{1}{3} \pi r^{2} h - \frac{1}{3} \pi r^{2} h$$

$$\frac{\pi(6)^{2}(10)}{3} = \frac{\pi(3)^{2}(5)}{3} = V^{2} = 329.87 \text{ cm}^{3}$$

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

$$T(5)^2 + \pi (5)(5\pi 6)$$

$$- \pi (2)(5\pi 9)$$

$$+ \pi (2)^2$$

$$V = \frac{1}{3}\pi r^{2}h - \frac{1}{3}\pi r^{2}h$$

$$\frac{\pi(5)^{2}(11)}{3} = \frac{\pi(2)^{2}(5)}{3}$$

$$SA = Tr^{2} + Trs$$

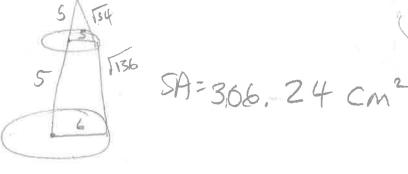
$$T(10)^{2} + T(10)(12)$$

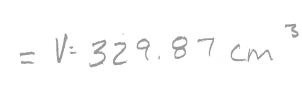
$$- T(3)(5)$$

$$V = \frac{1}{3}\pi r^{2}h - \frac{1}{3}\pi r^{2}h$$

$$= \frac{\pi(10)^{2}(12)}{3} - \frac{\pi(3)^{2}(5)}{3}$$

+ 11 (3)2





$$V = 267.04 \text{ cm}^3$$