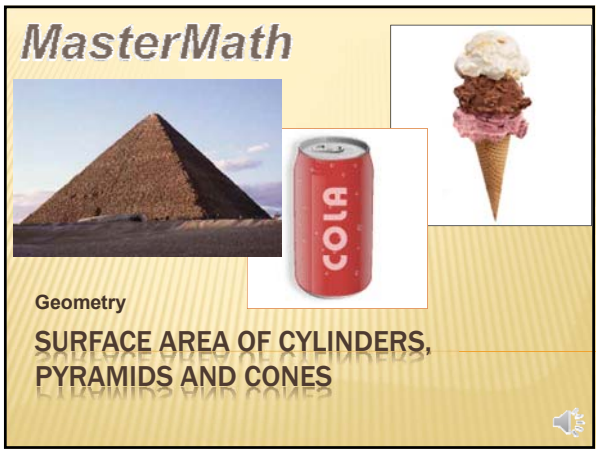
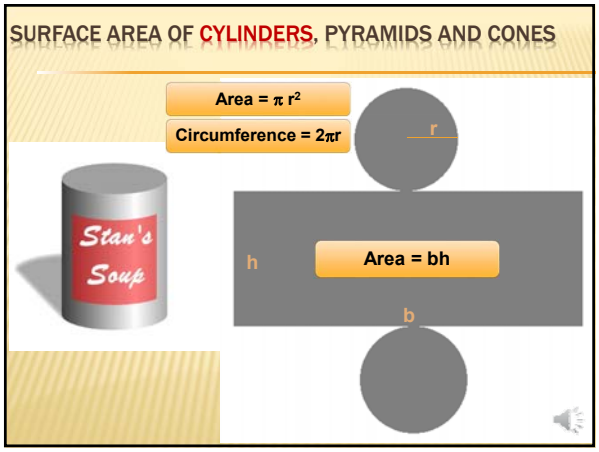
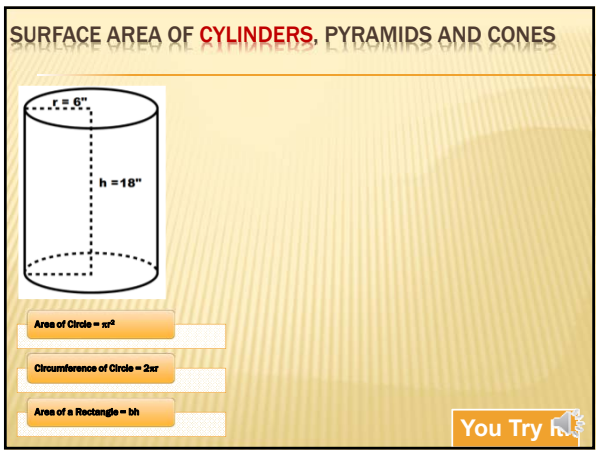
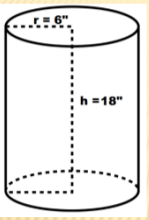

MasterMath
COLA
Geometry
SURFACE AREA OF CYLINDERS, PYRAMIDS AND CONES


SURFACE AREA OF CYLINDERS, PYRAMIDS AND CONES
Area = π r²
Circumference = 2πr
r
Stan's Soup
h
Area = bh
b


SURFACE AREA OF CYLINDERS, PYRAMIDS AND CONES
r = 6"
h = 18"
Area of Circle = πr²
Circumference of Circle = 2πr
Area of a Rectangle = bh
You Try It

SURFACE AREA OF CYLINDERS, PYRAMIDS AND CONES



2 circles: 2 * 3.14 * 6^2
= 226.08

1 rectangle : (2 * 3.14 * 6) * 18
= 678.24

Total = 226.08 + 678.24
= 904.32 sq. in.

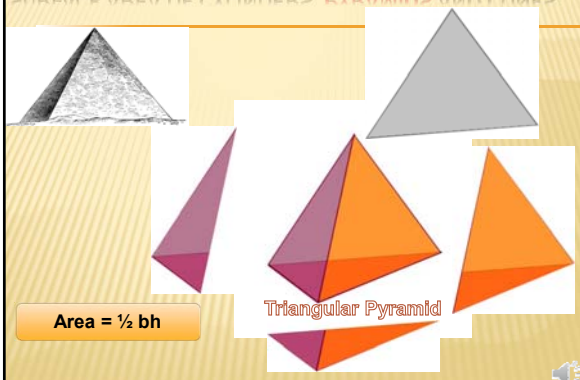
Area of Circle = πr^2

Circumference of Circle = $2\pi r$

Area of a Rectangle = bh

You Try It

SURFACE AREA OF CYLINDERS, PYRAMIDS AND CONES



Triangular Pyramid

Area = ½ bh

SURFACE AREA OF CYLINDERS, PYRAMIDS AND CONES

Square Pyramid

Base Area = 100 * 100 = 10,000

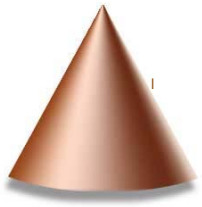
Lateral Faces Area
= 1/2 * 100 * 87 = 4,350

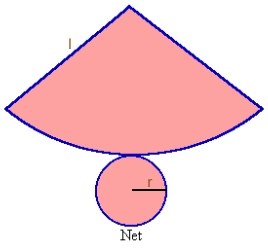
Total = 1 Base Area + 4 Lateral Face
= 10,000 + (4 * 4,350)
= 27,400 sq. ft.

1 Square Base

4 Triangular Lateral Faces

SURFACE AREA OF CYLINDERS, PYRAMIDS AND CONES

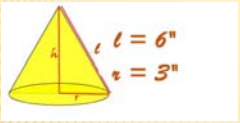




$S.A. = \frac{1}{2}(2\pi r)l + \pi r^2$

You Try It

SURFACE AREA OF CYLINDERS, PYRAMIDS AND CONES



$S.A. = \frac{1}{2}(2*3.14*3)6 + 3.14*3^2$

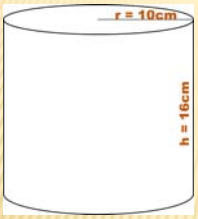
$= 84.78$ sq. in.

$S.A. = \frac{1}{2}(2\pi r)l + \pi r^2$

$\pi \approx 3.14$

You Try It

SURFACE AREA OF CYLINDERS, PYRAMIDS AND CONES



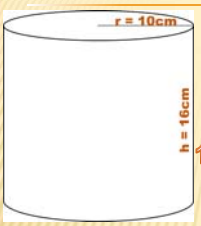
Area of Circle = πr^2

Circumference of Circle = $2\pi r$

Area of a Rectangle = bh

You Try It

SURFACE AREA OF CYLINDERS, PYRAMIDS AND CONES



2 circles: $2 * 3.14 * 10^2$
$= 628$

1 rectangle : $(2 * 3.14 * 10) * 16$
$= 1004.8$

Total = 628 + 1004.8
= 1,632.8 sq. cm.

Area of Circle = πr^2

Circumference of Circle = $2\pi r$

Area of a Rectangle = bh

You Try It

SURFACE AREA OF CYLINDERS, PYRAMIDS AND CONES

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