- Pyramid:
- Lateral Area:


S

- Surface Area

$$
S=\frac{1}{2} \mathrm{Pl}+\mathrm{Slan}+\text { ware of base }
$$

Ex. 1 Find the lateral area of the square pyramid.

$$
\begin{aligned}
L= & \frac{1}{2} P l \\
& \frac{1}{2} \cdot 10 \cdot 5 \\
& 25 \mathrm{~cm}^{2}
\end{aligned}
$$



Find the surface area of the square pyramid to the nearest tenth.

$$
\begin{aligned}
S= & \frac{1}{2} P l+B \\
& \frac{1}{2} \cdot 32(7.2)+64 \\
S= & 179.2 \mathrm{~m}^{2}
\end{aligned}
$$



$$
\begin{aligned}
4^{2}+6^{2} & =l^{2} \\
7.2 & =l
\end{aligned}
$$

Find the surface area of the regular pyramid. Round to the nearest tenth.

$$
\begin{aligned}
S= & \frac{1}{2} P l+B \\
& \frac{1}{2}(62.4)(15)+280.8 / 2
\end{aligned}
$$

- Cones:
- Lateral Area: $L=\pi r l$
- Surface Area: $S=\pi r l+\pi r^{2}$


ICE CREAM A sugar cone has an altitude of 8 inches and a diameter of $2 \frac{1}{2}$ inches. Find the lateral area of the sugar cone.


Find the surface area of the cone. Round to the nearest tenth.


