

5. Find the radius of each circle.

The centers of two circles are 15 units apart. The circles have radii measuring 5 and 8 . Find the length of the common external tangent.


8.

How many revolutions does a wheel make if it has a radius of 15 inches and it travels 100 feet? Round to the $10^{\text {th }}$ of a revolution.
9.

How many revolutions does a wheel make if it has a radius of 15 inches and it travels 100 feet? Round to the $10^{\text {th }}$ of a revolution.


$$
\begin{aligned}
& C=30 \pi \text { in } 100 \mathrm{ft}=1200 \text { in } \\
& \frac{1200}{30 \pi} \approx 12.7 \text { revolutions! }
\end{aligned}
$$



