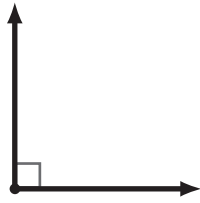# Angles and Degrees

1 What is the size of this angle in degrees?
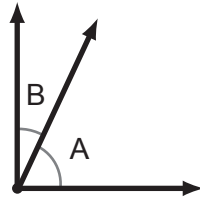

__90°__

2 What is the size of this angle in degrees?
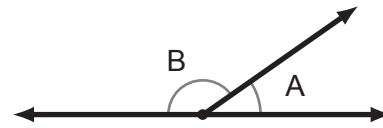

__180°__

3 Find the unknown angle.

∠A and ∠B are complementary angles.
If ∠A is 65 degrees, how big is ∠B ?

$$\begin{array}{r} \overset{8}{\cancel{9}}\overset{1}{0} \\ -\ 6\ 5 \\ \hline 2\ 5 \end{array}$$ m∠B = 25°

4 Find the unknown angle.

∠A and ∠B are supplementary angles.
If ∠A is 35 degrees, how big is ∠B ?

$$\begin{array}{r} \overset{7}{1}\overset{}{8}\overset{1}{0} \\ -\ \ 3\ 5 \\ \hline 1\ 4\ 5 \end{array}$$ m∠B = 145°

5 Find the unknown angle.
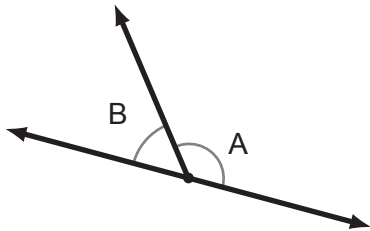
If ∠A is 128 degrees, how big is ∠B ?

$$\begin{array}{r} \overset{7}{1}\overset{}{8}\overset{1}{0} \\ -\ 1\ 2\ 8 \\ \hline 5\ 2 \end{array}$$ m∠B = 52°

6 Find the unknown angle.
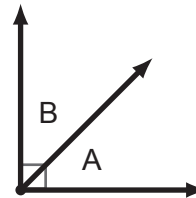
If ∠A is the same size as ∠B ,
how big is ∠A ?

If A and B are equal, then they must each be
half of the total. Since they form a Right
Angle, the total must be 90 degrees, so
Angle A is half of 90. which is 45 degrees!

m∠B = m∠A = 45°