The driving pulley is called the Driver, and the driven pulley the Driven. If the number of *teeth in gears* used instead of diameter, in these calculations, number of teeth must be substituted wherever diameter occurs.

To find the diameter of the Driver; the diameter of the Driven and its revolutions, and also revolutions of Driver being given: Multiply the diameter of Driven by its revolutions, and divide the product by the revolutions of the Driver; the quotient will give the diameter of the Driver.

To find diameter of the Driven; the revolutions of the Driven, also diameter and revolutions of the Driver being given: Multiply the diameter of Driver by its revolutions, and divide the product by the revolutions of the Driven; the quotient will give the diameter of the Driven

To find the revolutions of Driver; the diameter and revolutions of the Driven, also diameter of the Driver being given: Multiply the diameter of Driven by its revolutions, and divide the product by the diameter of Driver; the quotient will give the revolutions of Driver.

To find revolutions of the Driven; the diameter and revolutions of the Driver, also diameter of the Driven being given: Multiply the diameter of Driver by its revolutions, and divide the product by the diameter of Driven; the quotient will give the revolutions of Driven.

Diam. of Driver = (D2 x S2) / S1

Diam. of Driven = (D1 x S1) / S2

Revs of Driver = (D2 x S2) / D1

Revs of Driven = (D1 x S1) / D2

