```
= fvR =
fdR = fcR . )
= = = Quotient groups = = =
```

In some situations the set of cosets of a subgroup can be endowed with a group law , giving a quotient group or factor group . For this to be possible , the subgroup has to be normal . Given any normal subgroup N , the quotient group is defined by

G/N

= { gN , g ? G } , " G modulo N " .

This set inherits a group operation (sometimes called coset multiplication , or coset addition) from the original group G:(gN)?(hN)=