

# Worksheet 1

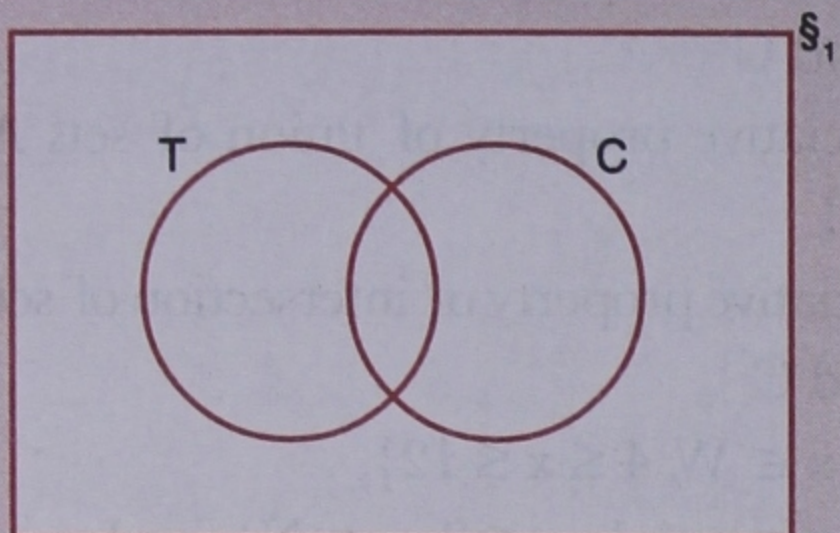
## On Venn diagrams

Shade the following Venn diagrams as required and fill in the boxes below.

(i)  $\xi_1$  = guests at a party

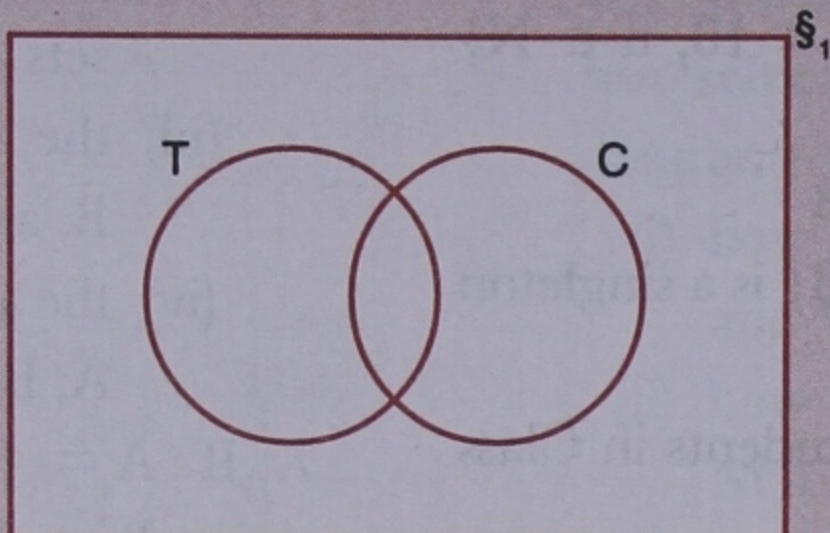
T = tea drinkers

C = coffee drinkers

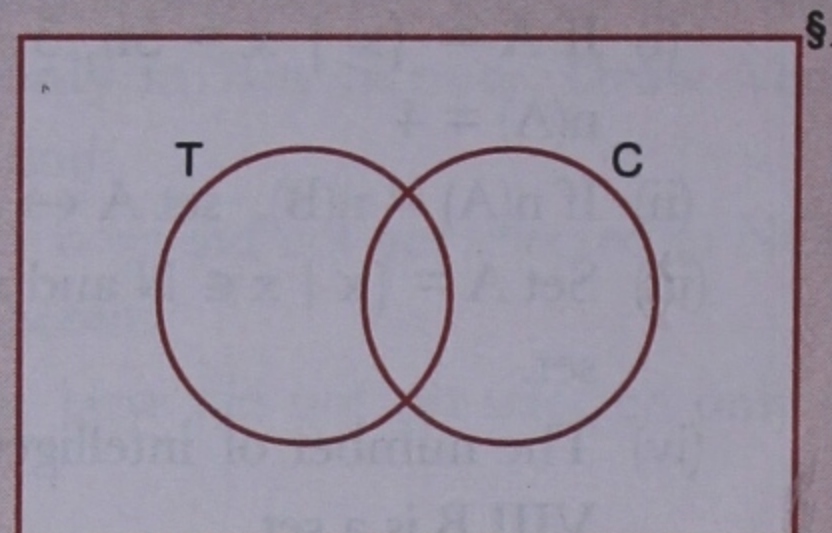


Guests who drink both tea and coffee

$T \cap C$



Guests who drink tea but not coffee



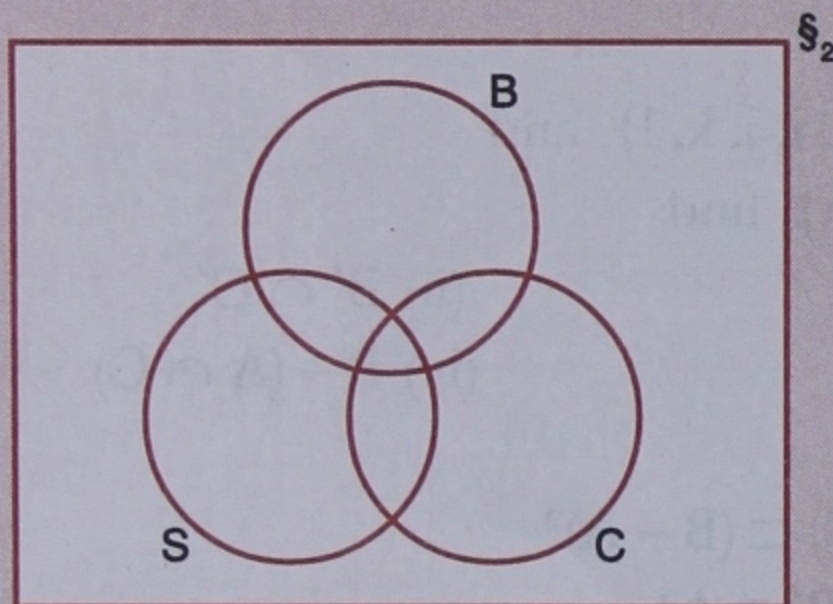
Guests who drink neither tea nor coffee

(ii)  $\xi_2$  = families in a colony

C = car owners

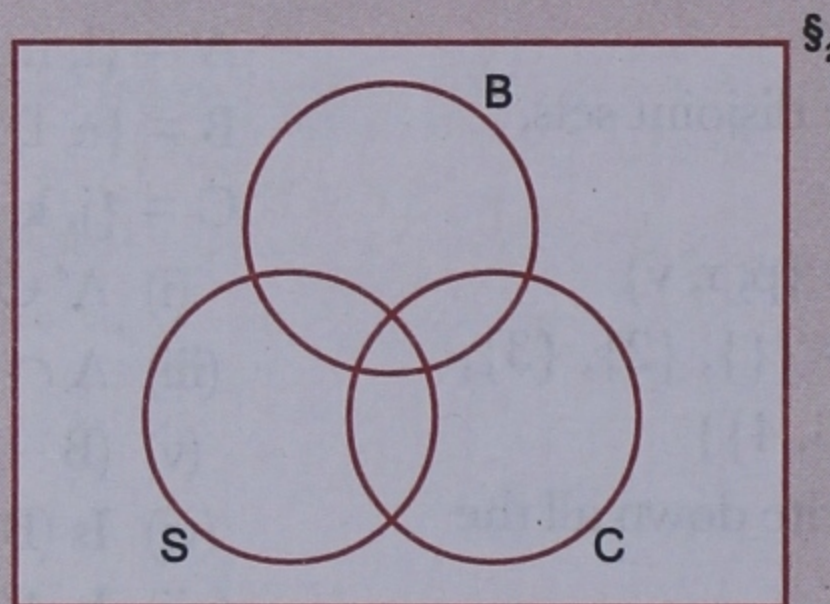
S = scooter owners

B = bicycle owners

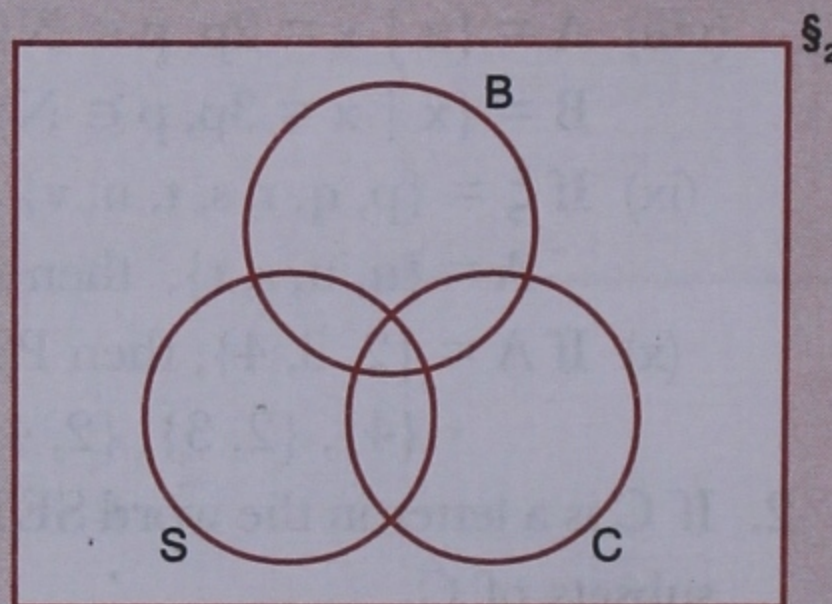


Families owning cars but neither scooters nor bicycles

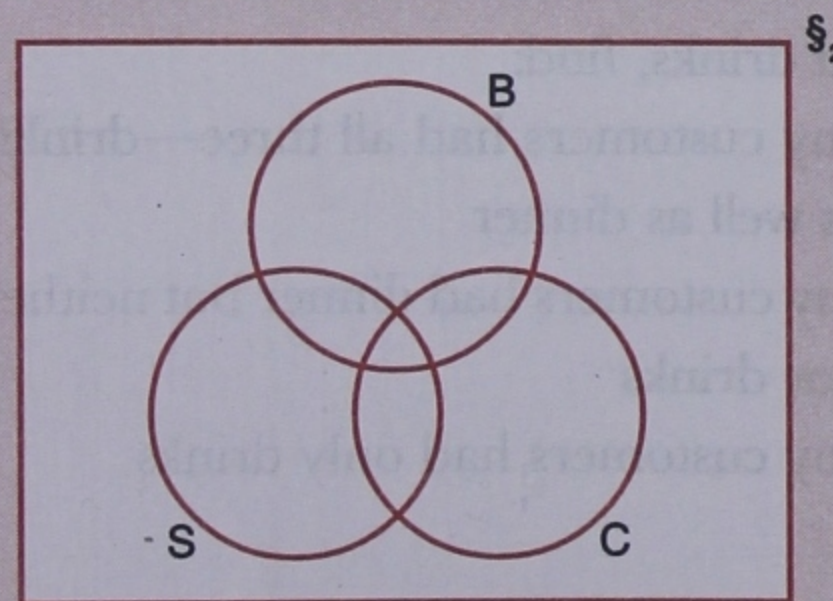
$C - (S \cup B)$



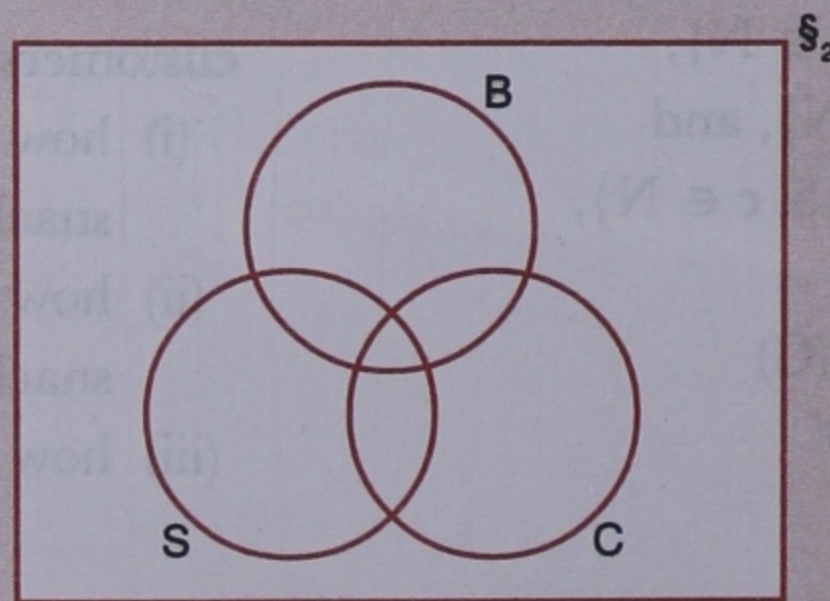
Families owning scooters



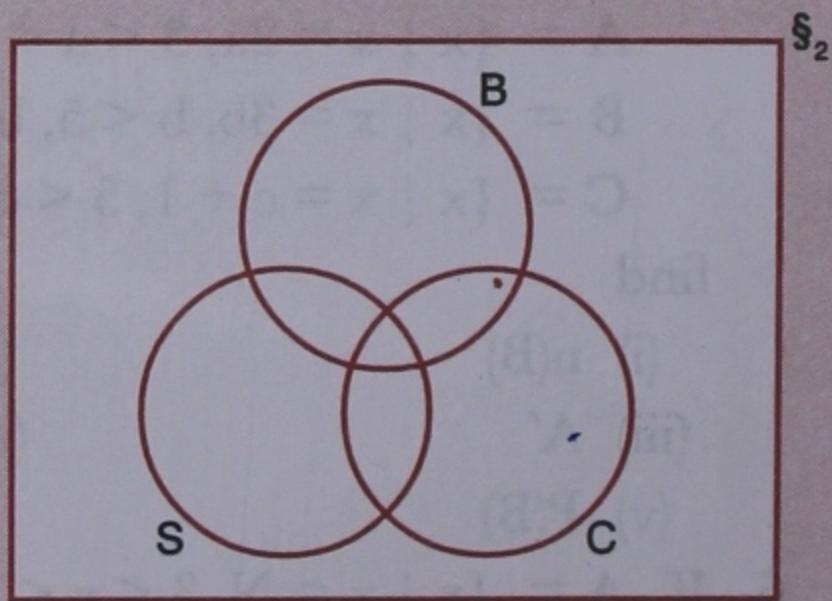
Families owning cars, scooters and bicycles



Families owning bicycles and scooters but no cars



Families owning cars and bicycles but no scooters



Families owning neither cars nor scooters or bicycles