

Male Female Ratio

SUBMITTED BY: _____

CLASS : X

ROLL NO. :

SUBMITTED TO

Objective

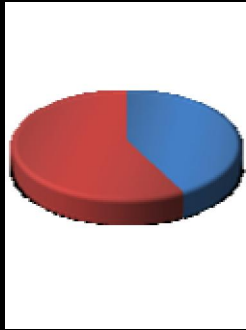
To investigate by how much and how has the male female ratio changed over the generations?

What is the estimated Male Female ratio for the next generation taking in account the last 3 generations?

Description

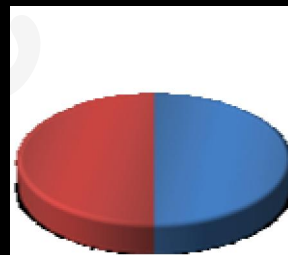
Contacted 5 persons by visiting their place or talking over phone and collected information about number of males and females in their last three generations

GENERATION 1



■ Males
■ Females

GENERATION 2



■ Males
■ Females

GENERATION 3



■ Males
■ Females

1. SUNIL SINGLA (ANY NAME)

PROFESSION: SERVICE

DATA TAKEN ON PHONE

(i) Generation 1

No. of males=11 No. of females=15

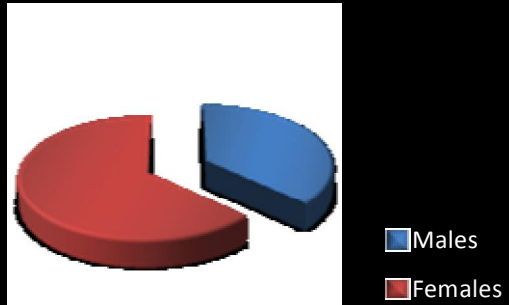
(ii) Generation 2

No. of males=5 No. of females=5

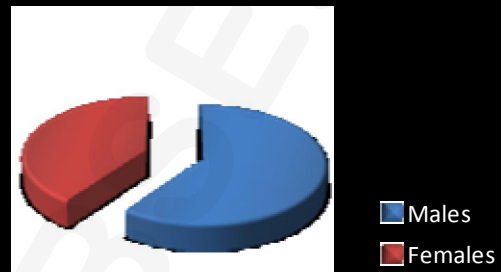
(iii) Generation 3

No. of males=1 No. of females=1

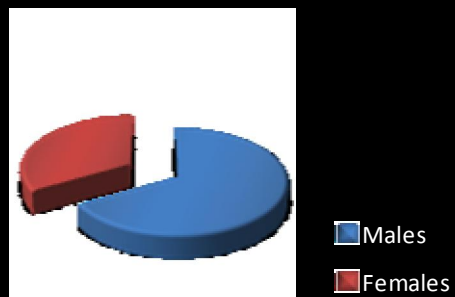
GENERATION 1



GENERATION 2



GENERATION 3



2. MUKESH GARG

PROFESSION: CA

DATA TAKEN BY VISITING HIS HOUSE

(I) Generation 1

No. of males=7

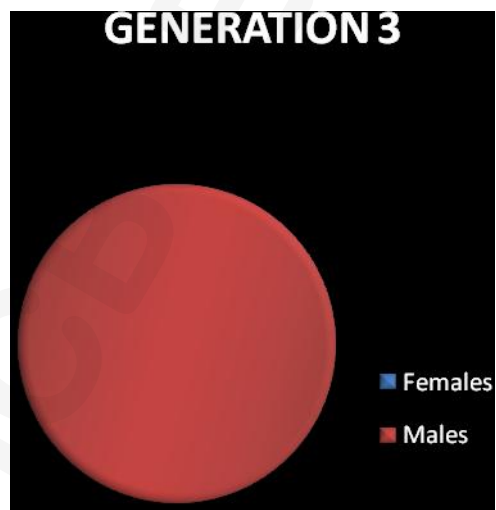
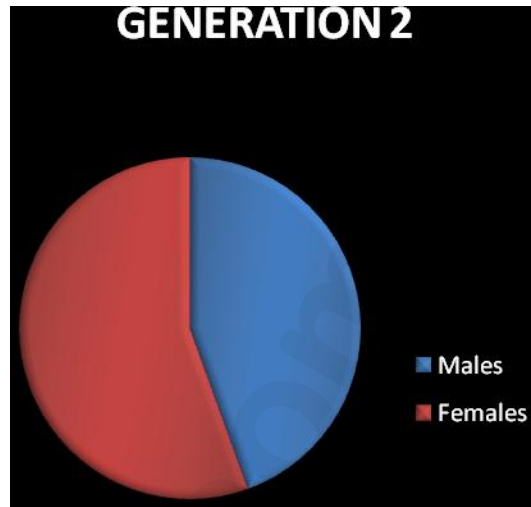
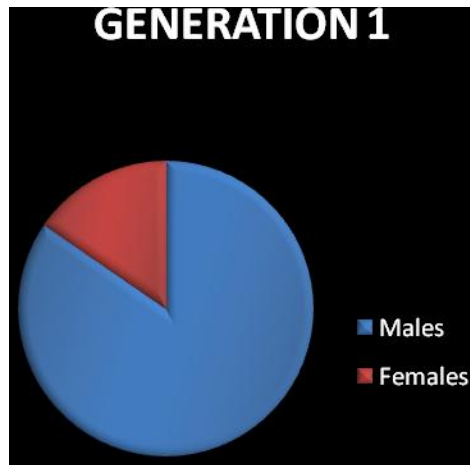
No. of females=12

(ii) Generation 2

No. of males=3 No. of females=2

(iii) Generation 3

No. of males=2 No. of females=1



3. RAMESH CHAWLA

PROFESSION: SERVICE

DATA TAKEN BY VISITING HIS HOUSE

(i) Generation I

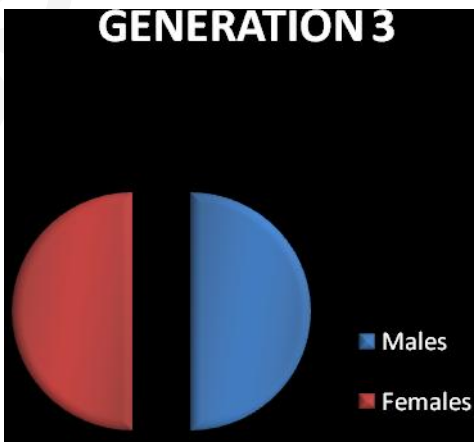
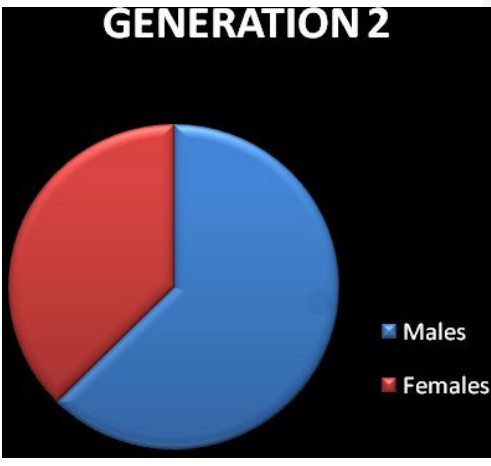
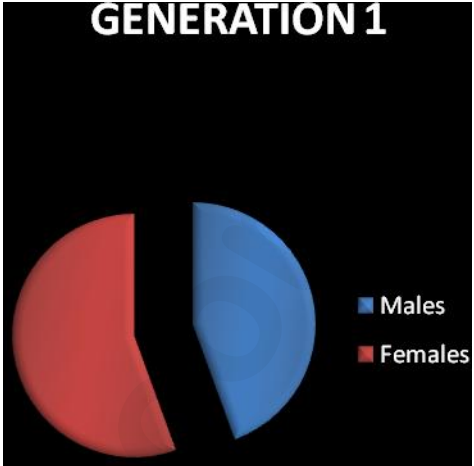
No. of males=11 No. of females=2

(ii) Generation II

No. of males=4 No. of females=5

(iii) Generation III

No. of males=3 No. of females=0



4. NAVEET SINGH

PROFESSION: STUDENT

(i) Generation 1

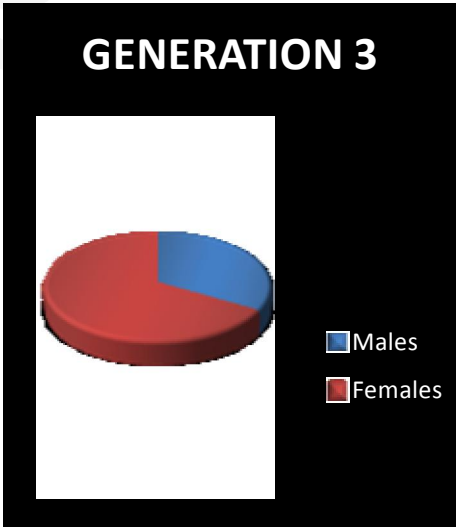
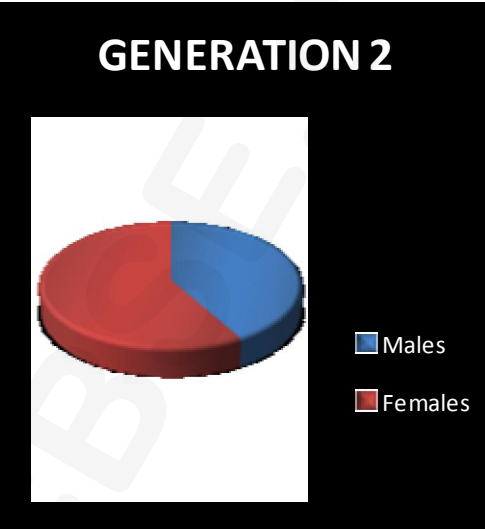
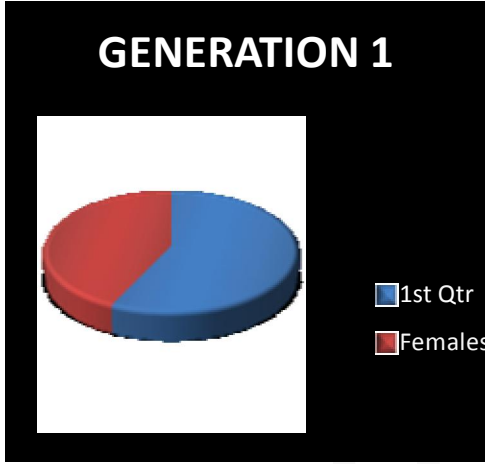
No. of males=4 No. of females=5

(ii) Generation 2

No. of males=5 No. of females=3

(iii) Generation 3

No. of males=1 No. of females=1



5. KRITIKA

PROFESSION: DOCTOR

DATA TAKEN ON PHONE

(i) Generation 1

No. of males=12

No. of females=9

(ii) Generation 2

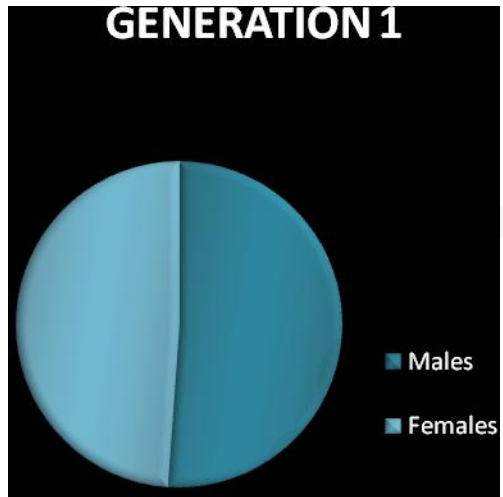
No. of males=5

No. of females=7

(iii) Generation 3

No. of males=1

No. of females=2



ICBSE

TOTAL - GENERATION I

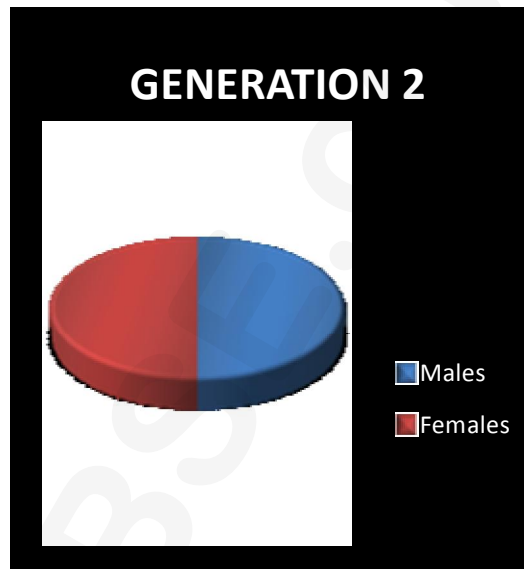
NO. OF MALES=45 NO.OF FEMALES=43

Probability of males=45/88

=0.51

Probability of females=43/88

=0.48



TOTAL - GENERATION 2

NO. OF MALES=22

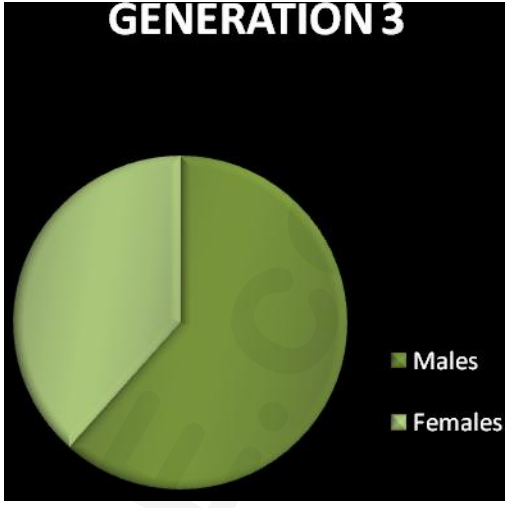
NO. OF FEMALES=22

Probability of males= $22/44$

=0.5

Probability of females= $22/44$

=0.50



ICBSE

TOTAL GENERATION 3

NO.OF MALES=8 NO. OF FEMALES=5

Probability of males=8/13

=0.62

Probability of females=5/13

=0.37

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ESTIMATE - NEXT GENERATION

PROBABILITY OF MALES=0.62+0.05

=0.67

PROBABILITY OF FEMALES=0.37-0.04

=0.33

NOTE:

THIS IS THE ESTIMATED PROBABILITY ACCORDING TO EARLIER GENERATION BUT ACTUALLY THE PROBABILITY OF MALES AND FEMALES IS EXPECTED TO BE EQUAL AFTER FEW YEARS.