

# Activity Worksheet

Challenging brain

Sub : Mathematics

Grade: IX

Date: .....

Name: .....

ID No.....

## Group Activity

- To establish interesting mathematical relationships by measuring some parts of the body.

- I Make some groups of students in your class.
- I For each group, measure the parts of the body as follows:

Height = \_\_\_\_\_

Outstretched arm length = \_\_\_\_\_

Foot length = \_\_\_\_\_

Palm length = \_\_\_\_\_

Neck = \_\_\_\_\_

Wrist = \_\_\_\_\_

- Calculate the following ratios:

$\frac{\text{Height}}{\text{Outstretched arm length}} = \underline{\hspace{2cm}}$

$\frac{\text{Foot length}}{\text{Palm length}} = \underline{\hspace{2cm}}$

$\frac{\text{Neck}}{\text{Wrist}} = \underline{\hspace{2cm}}$

- Observe the following:

(i.) Number of squared students in the classroom = \_\_\_\_\_

Number of rectangled students in the classroom = \_\_\_\_\_

(ii.) Average height = \_\_\_\_\_

Average out stretched arm length = \_\_\_\_\_

Average palm length = \_\_\_\_\_

Average wrist = \_\_\_\_\_

Average neck = \_\_\_\_\_