

# Limestone Academy

Mirpur, DOHS

Daily Short Test-01 (Mathematics D)

Total Marks: 15

Marks Obtained:

Duration: 15 Minutes

Name:..... Grade:..... Phone: .....

1. In a class of 50 students, 40 choses Physics, 35 choses Chemistry,  $x$  choses both and  $31-x$  choses neither.

a. Represent the above info in a suitable Venn diagram.

[2]

b. Hence, determine how many of them choses none of Physics and Chemistry.

[3]

2. The length of a square is 25cm.

a. What will be the area of the square in  $\text{cm}^2$ ?

[1]

b. If a cube is formed taking the square as the base of the cube, what will be its volume?

[2]

c. To make the cube per cubic centimeter cost is \$1.12. Determine total cost to make the cube.

[2]

3. Without using calculator simplify:

[5]

a.  $\sqrt[3]{3375} - \sqrt[3]{216}$

b.  $25^2 + 10^2 - 15^2$