

# Limestone Academy

Mirpur, DOHS

Daily Short Test-01 (Mathematics D)

Total Marks: 15

Marks Obtained:

Duration: 15 Minutes

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

## USING CALCULATOR IS PROHIBITED

1. Work out

a.  $1234.4 \div 8$

.....(1)

b.  $\frac{3}{7}$  of 56

.....(1)

c. Evaluate  $1.5^2$

.....(1)

2.

a. Work out  $80 \div 0.002$

.....(1)

b. Evaluate  $\sqrt[3]{1728}$

.....(1)

3.

- a. Express 108 and 360 as a product of their prime factors.

.....(2)

- b. Hence find their LCM.

.....(1)

- c. Hence or otherwise determine the smallest positive integer to be multiplied to the LCM of 108 and 360 to obtain a square number.

.....(2)

4.

- a. Write down all prime numbers between 10 and 15.

.....(2)

- b. Find the square of the number you get by adding the answer of **part a**.

.....(2)

- c. Write down an irrational number between 10 and 15.

.....(1)