

Islamia Public School & College, Qalandarabad

Vacation Work for COVID-19 Vacations.

Subject: Mathematics

Class: 8th

Date to Submit: 31-May-2020

Also watch the videos in the following links.

<https://www.youtube.com/watch?v=OAAwCIndLxA> (for sets)

<https://www.youtube.com/watch?v=l1eQHvbP8LU> (for Prime factorization)

https://www.youtube.com/watch?v=lehTT_RKthI (learn square root)

<https://www.youtube.com/watch?v=cgW-XiTpSYo> (for HCF by division method)

<https://www.youtube.com/watch?v=rFraxti0rf4> (for Rational numbers)

1. If $U=\{1,2,4,6,7,8,10\}$ & $A=\{1,2,4,6,7\}$ then prove $A'-A=A$ and $A'UA=U$.
2. Tell whether the following are perfect squares or not by using prime factorization method
49 ,98 ,784 ,3125, 6481, 3600
3. Find square root of 144.
4. Find the length of square shaped masjid if its area is 7921m sq.
5. Verify associative property $3/7+(2/3+5/6)=(3/7+2/3)+5/6$
6. Find H.C.F of 10800, 10545 and 1458 by division method.
7. Subtract $-9/14$ from $-5/42$ and $5/6$ from $-2/9$
8. Order the following rational numbers $7/8, -3/5$ and $7/20$
9. Verify distributive property of rational number of multiplication
 $3/4 \times (4/7 + 9/3) = (3/4 \times 4/7) + (3/4 \times 9/3)$
10. Find square root of 0.81 first change decimal number into fraction and then find square root.