**Royal Public school**

**Class: 8 Holiday Homework Sub : Maths**

**1.Express in standard form of 728 / -112.**

**2. Is 15/24 & 45/48 equivalent rational Number ?**

**3. Compare 2/-3 & -⅘.**

**4. Write the additive inverse of : 5/-11 , -11/-14.**

**5. What number should be subtracted from 27/13 to get -3/7 ?.**

**6. The sum of two rational Number is -½. If one of them is -9/10. Find the other.**

**7. By what number should we multiply 3/-14 the product is 5/12 ?.**

**8. Solve : 6/7 -2 + (-7/9) +19/21.**

**9. If a/b = -⅔ , c/d = 5/7, e/f = -1/6 . Verify (a/b c/d ) e/f = a/b + ( c/d + e/f).**

**10. Write three rational number between ⅓ & ½.**

**11. Write the base and exponent in each : 7^9, 8^-3, (-5)^3.**

**12. Write in exponential form : 6^3 \* 6^5 \* 6^2 , ( -5 )^4 \* ( -5 ) ^2 \* ( -5 ) ^3**

**13. Express 729 as power of 3.**

**14. Solve : 2 ^ 2x +2 = 4 ^ 2x -1.**

**15. Find the value of : ( 27 ) ^ ⅔ , ( 81 ) ^ ¾.**

**16. Find the square root of each from prime factorisation method ; 225 ,441, 529, 1296, 676, 1521, 4225, 7056, 8291, 30625.**

**17. Write the name of property of addition and multiplication with example.**