GOVT HR SEC SCHOOL-PENNALURPET, TIRUVALLUR-602026

CLASS-VIII **CHAPTER-1.NUMBERS**

SUB-MATHEMATICS **TOPIC-EXPONENTS**

Listen and learn

	LHS	RHS
POWERS WITH ZERO	$a^0 =$	1
POWERS WITH NEGATIVE	$a^{-m} =$	$\frac{1}{a^m}$
PRODUCT LAW	$a^m \times a^n =$	a^{m+n}
QUOTIENT LAW	$\frac{a^m}{a^n} =$	a^{m-n}
POWER LAW	$[a^m]^n$	a^{mn}

Match the following

1. 1^0 **=**

2. $4^{-3} =$

3. 7^3 **x** 7^4 **=**

4. $\frac{7^4}{7^3}$ **=**

5. $[7^4]^3$ **=**

7^7

7

7^{12}

1

$\frac{1}{4^3}$