Class 7th Maths Test

Exponents

1. Find the value of 5^4.

2. Find the value of $(3/5)^3$

3. The number 128 change into exponential form.

4. $(2^0 + 3^0)^2 \times (5^0 + 7^0)^3$ = _____.

5. 19. $7 \times 10^5 + 6 \times 10^3 + 2 \times 10^2 + 5 \times 10^0$ = _____.

a) 706025 b) 76205
c) 706205 d) None of these

6. Write in standard form; 6,780,000

7. Using laws of exponents, simplify and write the answer in exponential form

(i) $2^3 \times 2^4 \times 2^5$

(ii) $5^{12} \div 5^3$

(iii) $(7^2)^3$

(iv) $(3^2)^5 \div 3^4$

(v) $3^7 \times 2^7$

(vi) $(5^{21} \div 5^{13}) \times 5^7$

8.

Find the value of x :

(a) $5^{\left(\frac{2}{5}\right)} = 5^x$ (b) $(2^6 \div 2^{-3}) \times 2^{14} = 2^x$

9. **Using laws of exponents, simplify and write the answer in exponential form**

a) $(3^2)^5 \div 3^4$ **b)** $(5^{21} \div 5^3) \times 5^7$

10. Find the values of n in: $(3/2)^4 \times (3/2)^5 = (3/2)^{2n+1}$