

**Grade- VIII**

**MATHS**

1.  $\frac{-125}{27}$

2.  $\left(\frac{-4}{5}\right)^5$

3.  $2^8 = 256$

4.  $5^3 = 125$

5. 98

6.  $x^{12} \times y^{24-12} \times 2^{12}$

$$(2xy)^{12} = 4096 x^{12} y^{12}$$

7.  $\frac{2^n [2-1]}{2^n [2^2 + \frac{1}{2}]} = \frac{2}{9}$

8.  $7^{2n+1-2} = 7^3$

$$2^{2n-1} = 3$$

$$n = 2$$

9.

i.  $3.90878 \times 10^3$

ii.  $3.1865 \times 10^9$

iii.  $7.234 \times 10^5$

10.

i. 321000

ii. 0.0000345

iii. 12000000000