

Activity Worksheet

Challenging brain

Sub : Mathematics

Grade: IX

Date:

Name:

ID No.....

Multiple Choice Questions

Write the correct answer for each of the following:

1. $\sqrt[4]{\sqrt[3]{4}}$ equals

(a) $2^{-\frac{1}{6}}$

(b) 2^{-6}

(c) $2^{\frac{1}{6}}$

(d) 2^6

2. Value of $\sqrt[4]{(81)^{-2}}$ is

(a) $\frac{1}{9}$

(b) $\frac{1}{3}$

(c) 9

(d) $\frac{1}{81}$

3. $\frac{1}{\sqrt{9}-\sqrt{8}}$ is equal to

(a) $\frac{\sqrt{3}-2\sqrt{2}}{2}$

(b) $\frac{1}{\sqrt{3+2\sqrt{2}}}$

(c) $3-2\sqrt{2}$

(d) $3+2\sqrt{2}$

4. If $\sqrt{3} = 1.732$, then $\sqrt{\frac{2-\sqrt{3}}{2+\sqrt{3}}}$ is equal to

(a) 3.732

(b) 0.268

(c) 1.268

(d) 3.234
