

Activity Worksheet

Challenging brain

Sub : Mathematics

Grade: IX

Date:

Name:

ID No.....

1. Write the correct answer for each of the following:

(i.) Decimal representation of an irrational number is

(a) terminating

(b) non-terminating repeating

(c) non-terminating non-repeating

(d) none of these

(ii.) On dividing $7\sqrt{45}$ by $3\sqrt{5}$ we get

(a) 2

(b) $\frac{7}{3}$

(c) 7

(d) $7\sqrt{3}$

(iii.) The value of $0.\bar{3}$ in the form $\frac{p}{q}$, where p and q are integers and $q \neq 0$ is

(a) $\frac{3}{10}$

(b) $\frac{1}{30}$

(c) $\frac{1}{27}$

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

(iv.) Rationalising factor for the denominator of the expression $\frac{1}{\sqrt{5}-2}$ is

(a) $\sqrt{5}-2$

(b) $\sqrt{5}+2$

(c) $\sqrt{5}-2$

(d) $\sqrt{5}+\sqrt{2}$

(v.) Which of the following is rational ?

(a) $\sqrt{7}$

(b) $\frac{\sqrt{32}}{\sqrt{2}}$

(c) $\frac{\sqrt{12}}{\sqrt{6}}$

(d) 0.301300130001...

(vi.) Value of $(625)^{0.09} \times (625)^{0.16}$ is

(a) 25

(b) 125

(c) 5

(d) none of these
