EduSahara™ Assignment

Name : Multiplication of Real Numbers

Chapter : Number Systems

Grade : CBSE Grade IX

1. $3\sqrt{6} \times 5\sqrt{4} =$

(i) $\sqrt[4]{5400}$ (ii) $\sqrt{5400}$ (iii) 5400 (iv) $\sqrt{5397}$ (v) $\sqrt{5402}$

2. $(-3\sqrt{5}) \times 8\sqrt{4} =$

(i) $(-48\sqrt{7})$ (ii) $(-48\sqrt{5})$ (iii) (-240) (iv) $(-48\sqrt{2})$ (v) $(-48\sqrt[4]{5})$

3. $(4\sqrt{2}+\sqrt{7}) \times (-\sqrt{9}-2\sqrt{2}) =$

(i) $(-12\sqrt{2}-3\sqrt{7}-16-2\sqrt{14})$ (ii) $(-12\sqrt{2}-3\sqrt[4]{7}-16-2\sqrt{14})$ (iii) $(-12\sqrt{2}-3\sqrt{7}-16-2\sqrt{17})$

(iv) $(-12\sqrt{2}-3\sqrt{7}-15-2\sqrt{14})$ (v) $(-12\sqrt{\text{-}1}-3\sqrt{7}-16-2\sqrt{14})$

4. $\sqrt[5]{6} \times \sqrt[5]{5} =$

(i) $\sqrt[5]{30}$ (ii) $\sqrt[5]{33}$ (iii) $\sqrt[5]{28}$ (iv) $\sqrt[3]{30}$ (v) $\sqrt[7]{30}$

5. $\sqrt{4} \times 5\sqrt{9} =$

(i) $\sqrt{897}$ (ii) $\sqrt[4]{900}$ (iii) $\sqrt{900}$ (iv) $\sqrt{902}$ (v) 900

6. $8\sqrt{7} \times (-6\sqrt{2}) =$

(i) $(-48\sqrt{11})$ (ii) $(-48\sqrt[4]{14})$ (iii) $(-48\sqrt{17})$ (iv) (-672) (v) $(-48\sqrt{14})$

7. $(8\sqrt{3}+8\sqrt{8}) \times (-6\sqrt{9}+7\sqrt{6}) =$

(i) $(80\sqrt{3}-120\sqrt[4]{2})$ (ii) $(80\sqrt{\frac{1}{3}}-120\sqrt{2})$ (iii) $(80\sqrt{5}-120\sqrt{2})$ (iv) $(80\sqrt{3}-240)$ (v) $(80\sqrt{3}-120\sqrt{2})$

8. $\sqrt[9]{3} \times \sqrt[9]{4} =$

(i) $\sqrt[9]{12}$ (ii) $\sqrt[9]{9}$ (iii) $\sqrt[11]{12}$ (iv) $\sqrt[9]{14}$ (v) $\sqrt[7]{12}$

Assignment Key

1) (ii)	2) (ii)	3) (i)	4) (i)	5) (iii)	6) (v)
7) (v)	8) (i)				