

MCQ WORKSHEET-II
CLASS IX : CHAPTER - 1
NUMBER SYSTEM

1. Which one of the following is a rational number:
 (a) $\sqrt{3}$ (b) $\sqrt{2}$ (c) 0 (d) $\sqrt{5}$
2. 0.6666 in $\frac{p}{q}$ form is:
 (a) $\frac{6}{99}$ (b) $\frac{2}{3}$ (c) $\frac{3}{5}$ (d) $\frac{1}{66}$
3. $4\frac{1}{8}$ in decimal form is:
 (a) 4.125 (b) $4.\overline{15}$ (c) $4.1\overline{5}$ (d) $0.4\overline{15}$
4. The value of $(3+\sqrt{3})(3-\sqrt{3})$ is:
 (a) 0 (b) 6 (c) 9 (d) 3
5. The value of $(\sqrt{5}+\sqrt{2})^2$ is:
 (a) $7+2\sqrt{5}$ (b) $1+5\sqrt{2}$ (c) $7+2\sqrt{10}$ (d) $7-2\sqrt{10}$
6. The value of $(\sqrt{5}+\sqrt{2})(\sqrt{5}-\sqrt{2})$ is:
 (a) 10 (b) 7 (c) 3 (d) $\sqrt{3}$
7. The value of $(3+\sqrt{3})(2+\sqrt{2})$ is:
 (a) $6+3\sqrt{2}+2\sqrt{3}+\sqrt{6}$
 (b) $3+3\sqrt{2}+3\sqrt{3}+6$
 (c) $6-3\sqrt{2}-2\sqrt{3}-\sqrt{6}$
 (d) $6-3\sqrt{2}+2\sqrt{3}-\sqrt{6}$
8. The value of $(\sqrt{11}+\sqrt{7})(\sqrt{11}-\sqrt{7})$ is:
 (a) 4 (b) -4 (c) 18 (d) -18
9. The value of $(5+\sqrt{5})(5-\sqrt{5})$ is :
 (a) 0 (b) 25 (c) 20 (d) -20
10. On rationalizing the denominator of $\frac{1}{\sqrt{7}}$, we get
 (a) 7 (b) $\frac{\sqrt{7}}{7}$ (c) $\frac{-\sqrt{7}}{7}$ (d) $\sqrt{7}$