MCQ WORKSHEET-I
CLASS X : CHAPTER - 1
REAL NUMBERS

1. A rational number between $\frac{3}{5}$ and $\frac{4}{5}$ is:

   (a) $\frac{7}{5}$ (b) $\frac{7}{10}$ (c) $\frac{3}{10}$ (d) $\frac{4}{10}$

2. A rational number between $\frac{1}{2}$ and $\frac{3}{4}$ is:

   (a) $\frac{2}{5}$ (b) $\frac{5}{8}$ (c) $\frac{4}{3}$ (d) $\frac{1}{4}$

3. Which one of the following is not a rational number:
   (a) $\sqrt{2}$ (b) 0   (c) $\sqrt{4}$ (d) $\sqrt{-16}$

4. Which one of the following is an irrational number:
   (a) $\sqrt{4}$ (b) $3\sqrt{8}$ (c) $\sqrt{100}$ (d) $-\sqrt{0.64}$

5. $3\frac{3}{8}$ in decimal form is:

   (a) 3.35   (b) 3.375   (c) 33.75   (d) 337.5

6. $\frac{5}{6}$ in the decimal form is:

   (a) $0.8\bar{3}$ (b) $0.8\overline{33}$ (c) $0.6\bar{3}$ (d) $0.6\overline{33}$

7. Decimal representation of rational number $\frac{8}{27}$ is:

   (a) $0.\overline{296}$ (b) $0.29\bar{6}$ (c) $0.2\bar{9}6$ (d) 0.296

8. 0.6666…….. in $\frac{p}{q}$ form is:

   (a) $\frac{6}{99}$ (b) $\frac{2}{3}$ (c) $\frac{3}{5}$ (d) $\frac{1}{66}$

9. The value of $\left(\sqrt{5}+\sqrt{2}\right)\left(\sqrt{5}-\sqrt{2}\right)$ is:

   (a) 10   (b) 7   (c) 3   (d) $\sqrt{3}$

10. $0.\overline{36}$ in $\frac{p}{q}$ form is:

    (a) $\frac{6}{99}$ (b) $\frac{2}{3}$ (c) $\frac{3}{5}$ (d) none of these