Practice Questions of Fractions

1. Insert one fraction between $\dfrac{1}{2}$ and $\dfrac{3}{5}$

A. $\dfrac{4}{7}$

B. $\dfrac{2}{7}$

C. $\dfrac{1}{3}$

D. $\dfrac{2}{5}$

2. A container was $\dfrac{1}{4}$ filled with water. When 1.41 of water was poured into the container, it becomes $\dfrac{1}{3}$ filled. What is the capacity of the container?
A. 8.2 L
B. 12.6 L
C. 14.8 L
D. 16.8 L

3. Given that 0 < p < q < r < s and p, q, r, s are integers, which of the following is the smallest?

A. $\dfrac{p-q}{r+s}$

B. $\dfrac{p+s}{q+r}$

C. $\dfrac{q+s}{p+r}$

D. $\dfrac{r+s}{p+q}$

4. If a fraction's numerator is increased by 150% and the denominator is decreased by 20%, the fraction becomes 5/4. What is the fraction?
A. 1/5
B. 4/25
C. 2/5
D. 3/5

5. One fruit salad recipe requires a cup of sugar. Another recipe for the same fruit salad requires 2 tablespoons of sugar.

If 1 tablespoon is equivalent to $\dfrac{1}{16}$ cup, how much more sugar does the first recipe require?

A. $\dfrac{1}{8}$ cup

B. $\dfrac{5}{16}$ cup

C. $\dfrac{3}{8}$ cup

D. $\dfrac{7}{16}$ cup

6. If the numerator of the fraction is increased by 200% and the denominator is increased by 350%, then new fraction is 5/12, what was the original fraction?
A. 5/9
B. 5/8
C. 7/12
D. 11/12

7. Which of the following is terminating decimals fraction:

1) $\dfrac{5}{2}$

2) $\dfrac{7}{25}$

3) $\dfrac{1}{3}$

A. 1 and 2
B. 2 and 3
C. 1, 2 and 3
D. 1 and 3

8. Which of the following is the largest fraction: $\dfrac{9}{5}, \dfrac{10}{9}, \dfrac{7}{12} \ and \ \dfrac{3}{10}$

A. $\dfrac{7}{12}$

B. $\dfrac{10}{9}$

C. $\dfrac{9}{5}$

D. $\dfrac{3}{10}$

9. if the 345345345 is divided by 345 then the quotient is –
A. 100101
B. 1001001
C. 1001011
D. 1000101

10. In an examination, a student was asked to find $\dfrac{5}{12}$ of a certain number. By mistake, he found $\dfrac{5}{6}$ of it. His answer was 200 more than the correct answer. Find the number.
A. 200
B. 220
C. 480
D. 450

###ANSWERS###

1. Ans. A.
2. Ans. D.
3. Ans. A.
4. Ans. C.
5. Ans. C.
6. Ans. B.
7. Ans. A.
8. Ans. C.
9. Ans. B.
10. Ans. C.