



## Exercise 2D

Q1

**Answer :**

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

$\frac{10}{3}$  is a vulgar fraction, because its denominator is other than 10, 100, 1000, etc.

Q2

**Answer :**

(c)  $\frac{9}{7}$

$\frac{9}{7}$  is an improper fraction, because its numerator is greater than its denominator.

Q3

**Answer :**

(a)  $\frac{105}{112}$

A fraction that is reducible can be reduced by dividing both the numerator and denominator by a common factor.

$$\frac{105 \div 7}{112 \div 7} = \frac{15}{16}$$

Thus,  $\frac{105}{112}$  is a reducible fraction.

Q4

**Answer :**

(c) equivalent fractions

Equivalent fractions are those which are the same but look different.

Thus,  $\frac{2}{3}$ ,  $\frac{4}{6} = \frac{2}{3}$ ,  $\frac{6}{9} = \frac{2}{3}$ ,  $\frac{8}{12} = \frac{2}{3}$  are equivalent fractions.

Q5

**Answer :**

(c)  $\frac{9}{16} > \frac{13}{24}$

The two fraction are  $\frac{9}{16}$  and  $\frac{13}{24}$ .

By cross multiplication, we have:

$$9 \times 24 = 216 \text{ and } 13 \times 16 = 208$$

However,  $216 > 208$

$$\therefore \frac{9}{16} > \frac{13}{24}$$

Q6

**Answer :**

(d) none of these

Reciprocal of  $1\frac{3}{4} = \text{Reciprocal of } \frac{7}{4} = \frac{4}{7}$

Q7

**Answer :**

(c)  $\frac{5}{6}$

$$\left( \frac{3}{10} + \frac{8}{15} \right) = \left( \frac{9+16}{30} \right) \quad [\because \text{LCM of 10 and 15} = 30]$$

\*\*\*\*\* END \*\*\*\*\*