1. Fill in the blanks.

All proper fractions are less than 1.

- (b) A mixed number is composed of two parts, whole and Proper fraction
 (c) The fractions whose numerator is 1 are called surit fractions.
 (d) Fractions that name the same part of a whole are called equivalent fraction

- (e) In unit fractions, the fraction with a highest denominator is Amallerin a group of fractions.

2. Identify the type of fractions as proper, improper, mixed and unit fractions.

(a)
$$\frac{7}{32} = \mathbf{p}$$

(b)
$$\frac{23}{10} = \mathbf{T}$$

(c)
$$\frac{1}{9} = 0$$

(d)
$$\frac{82}{100} = 7$$

(a)
$$\frac{7}{32} = P$$
 (b) $\frac{23}{10} = I$ (c) $\frac{1}{9} = U$ (d) $\frac{82}{100} = P$ (e) $14\frac{5}{12} = M$

3. Convert as directed:

(a) $4\frac{3}{7}$ into improper fraction

(b) $2\frac{1}{9}$ into improper fraction.

(c) $\frac{35}{8}$ into mixed number

(d) $\frac{133}{12}$ into mixed number

Solution 3:-

Improper fraction = Denominator x Whole Number + Numera
Denominator
$= 7 \times 4 + 3$
7 7 7 7

In Q3.(b) and (c) are homework.

4. Write the equivalent fractions for the following.

(a)
$$\frac{3}{4}$$
; numerator = 18

(b)
$$\frac{32}{56}$$
; denominator = 14

(c)
$$\frac{5}{42}$$
; denominator = 84

(d)
$$\frac{200}{400}$$
; numerator = 50

Solution 4:-

(a)
$$\frac{3}{4}$$
; numerator = 18
$$\frac{3 \times 6}{4 \times 6} = \frac{18}{24}$$
(b) $\frac{32}{56}$; denominator = 14
$$\frac{32 \div 4}{56} = \frac{8}{14}$$

(d)
$$200$$
; numerator = 50
 400 ; $4 = 50$
 $400 \div 4 = 100$

In Q4. (c) is homework.

5. Write 5 equivalent fractions for the following.

(a)
$$\frac{3}{7}$$

(b)
$$\frac{12}{17}$$

(c)
$$\frac{20}{55}$$

(d)
$$\frac{72}{300}$$

Solution 5:-

(a)
$$\frac{3}{7}$$
 $\frac{3 \times 2}{7 \times 2} = \frac{6}{14}$, $\frac{3 \times 3}{7 \times 3} = \frac{9}{7 \times 4}$, $\frac{3 \times 4}{28} = \frac{12}{7 \times 5}$, $\frac{3 \times 5}{35} = \frac{15}{35}$
 $\frac{3 \times 6}{7 \times 6} = \frac{18}{42}$

... The equivalent fractions of $\frac{3}{7}$ are $\frac{6}{7}$, $\frac{9}{14}$, $\frac{12}{21}$, $\frac{15}{28}$ and $\frac{18}{35}$.

In Q5. (b) and (c) are homework.

Q6, Q7 and Q8 are omitted.