

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

$$\text{Mixed Number} = Q \frac{R}{D}$$

$$= 11 \frac{1}{12}$$

$$\begin{array}{r} 11 \\ 12 \overline{) 133} \\ \underline{-12} \downarrow \\ 013 \\ \underline{-12} \\ 01 \end{array}$$

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

$$\frac{3 \times 6}{4 \times 6} = \frac{18}{\boxed{24}}$$

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

$$\frac{32 \div 4}{56 \div 4} = \frac{\boxed{8}}{14}$$

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

$$\frac{200 \div 4}{400 \div 4} = \frac{50}{100}$$

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) $\frac{3}{7}$

$$\frac{3 \times 2}{7 \times 2} = \frac{6}{14}, \quad \frac{3 \times 3}{7 \times 3} = \frac{9}{21}, \quad \frac{3 \times 4}{7 \times 4} = \frac{12}{28}, \quad \frac{3 \times 5}{7 \times 5} = \frac{15}{35}$$

$$\frac{3 \times 6}{7 \times 6} = \frac{18}{42}$$

\therefore The equivalent fractions of $\frac{3}{7}$ are $\frac{6}{14}$, $\frac{9}{21}$, $\frac{12}{28}$,

$$\frac{15}{35} \text{ and } \frac{18}{42}$$

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

$$\frac{72 \times 2}{300 \times 2} = \frac{144}{600}, \quad \frac{72 \times 3}{300 \times 3} = \frac{216}{900}, \quad \frac{72 \times 4}{300 \times 4} = \frac{288}{1200}, \quad \frac{72 \times 5}{300 \times 5} = \frac{360}{1500}$$

$$\frac{72 \times 6}{300 \times 6} = \frac{432}{1800}$$

\therefore The equivalent fractions of $\frac{72}{300}$ are $\frac{144}{600}$, $\frac{216}{900}$, $\frac{288}{1200}$,

$$\frac{360}{1500}, \quad \frac{432}{1800}$$

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

Q6, Q7 and Q8 are omitted.