

EX. 3-2

Q3- Reduce to lowest form by cancelling the H.C.F. of numerator and denominator.

(a) $\frac{105}{147} = \frac{5}{7}$

R.w.
 $10 \overline{) 14} (1$
10

$24 \overline{) 88} (3$
72

(b) $\frac{243}{8811} = \frac{3}{11}$

$4 \overline{) 10} (2$
8

$16 \overline{) 24} (1$
16

(c) $\frac{24^2}{36^3} = \frac{2}{3}$

R.w. $2 \overline{) 4} (2$

$24 \overline{) 36} (1$

24

$12 \overline{) 24} (2$

24

X

4

X

$8 \overline{) 16} (2$

16

X

Q4- Find the equivalent fraction of $\frac{2}{5}$ having

(a) denominator 20

(b) numerator 6

Sol. $\frac{2}{5} = \frac{18}{20}$

$\frac{2}{5} = \frac{6}{15}$

$20 \div 5 = 4$

Sol. $6 \div 2 = 3$

$2 \times 4 = 18$ Ans.
 $5 \times 4 = 20$

$2 \times 3 = 6$ Ans.
 $5 \times 3 = 15$

Q5- Find the equivalent fraction of $\frac{36}{48}$ having

(a) numerator 9

(b) denominator 16

Sol. $\frac{36}{48} = \frac{9}{12}$

Sol. $\frac{36}{48} = \frac{12}{16}$

$36 \div 4 = 9$

$48 \div 3 = 16$

$36 \div 4 = 9$ Ans.
 $48 \div 4 = 12$

$36 \div 3 = 12$ Ans.
 $48 \div 3 = 16$

Note - Do Q3 (d) and (e) parts, Q4, (a) and (d) and Q5 (c) and (d) parts in homework.