

23.8.21

Exercise 9 A



3. Reduce the following fractions to their lowest term.

a. $\frac{68}{136}$

34

17

1

Ans - $\frac{\cancel{68}}{\cancel{136}} = \frac{34}{\cancel{68}} = \frac{\cancel{17}}{34} = \frac{1}{2}$

b. $\frac{702}{119}$

Ans - $\frac{702 \div 17}{119 \div 17} = \frac{6}{7}$

c. $\frac{753}{204}$

Ans - $\frac{\cancel{753}^{57}}{\cancel{204}^{68}} = \frac{57^3}{68^4} = \frac{3}{4}$

$$d. \frac{729}{243}$$

$$\text{Ans- } \frac{\overset{43}{\cancel{729}}}{\underset{81}{\cancel{243}}} = \frac{43}{81}$$

$$e. \frac{754}{238}$$

$$\text{Ans- } \frac{\overset{77}{\cancel{754}}}{\underset{119}{\cancel{238}}} = \frac{\overset{77}{\cancel{77}}}{\underset{77}{\cancel{77}}} = \frac{77}{77}$$

$$f. \frac{798}{297}$$

$$\text{Ans- } \frac{798 \div 9}{297 \div 9} = \frac{22 \div 77}{33 \div 11} = \frac{2}{3}$$

$$g. \frac{717}{289}$$

$$\text{Ans- } \frac{717 \div 9}{289 \div 9} = \frac{79}{32}$$

h. $\frac{304}{368}$

Ans $\frac{304 \div 4}{368 \div 4} = \frac{76 \div 4}{92 \div 4} = \frac{19}{23}$

HW

3. i) $\frac{115}{345}$

Ans - $\frac{\cancel{115}^{23}}{\cancel{345}^{69}} = \frac{\cancel{23}^1}{\cancel{69}^3} = \frac{1}{3}$

ii) $\frac{160}{720}$

Ans - $\frac{\cancel{160}^{32}}{\cancel{720}^{144}} = \frac{\cancel{32}^{16}}{\cancel{144}^{72}} = \frac{\cancel{16}^8}{\cancel{72}^{36}} = \frac{\cancel{8}^4}{\cancel{36}^{18}} = \frac{\cancel{4}^2}{\cancel{18}^9} = \frac{2}{9}$

4. Tick (✓) the fractions which are proper fractions.

a) $\frac{13}{16}$ ✓

g) $\frac{48}{50}$ ✓

b) $\frac{8}{7}$

h) $\frac{25}{21}$

c) $\frac{17}{8}$

i) $\frac{1}{7}$ ✓

d) $\frac{23}{25}$ ✓

j) $\frac{45}{9}$

e) $\frac{38}{4}$

k) $\frac{63}{65}$ ✓