Thu 24.8.2023

3 Reduce the following fractions to their lowest term.

a) $\frac{68}{138}$

Ans $\frac{68}{138}$ 2 | 68, 138
34, 69

$$\frac{68 \div 68}{138 \div 69} = \frac{1}{2}$$

$$\frac{68}{138} = \frac{1}{2}$$

b. $\frac{102}{119}$

Ans $\frac{102 \div 17}{119 \div 17} = \frac{6}{7}$

$\frac{102}{119} = \frac{6}{7}$

c) $\frac{153}{204}$

Ans $\frac{153}{204} = \frac{51}{68} = \frac{3}{4}$

d) $\frac{129}{243}$

Ans $\frac{129 \div 3}{243 \div 3} = \frac{43}{81}$

$\frac{129}{243} = \frac{43}{81}$

e $\frac{154}{238}$

Ans $\frac{154}{238} = \frac{77}{119} = \frac{11}{17}$

f $\frac{198}{297}$

Ans $\frac{198 \div 9}{297 \div 9} = \frac{22 \div 11}{33 \div 11} = \frac{2}{3}$

g) $\frac{117}{189}$

$\frac{117 \div 3}{189 \div 3} = \frac{39 \div 3}{63 \div 3} = \frac{13}{21}$

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

$\frac{304 \div 2}{368 \div 2} = \frac{152 \div 2}{184 \div 2} = \frac{76 \div 4}{92 \div 4} = \frac{19}{23}$

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

$\frac{115 \div 5}{345 \div 5} = \frac{23}{69}$

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

$\frac{160 \div 20}{720 \div 20} = \frac{8 \div 4}{36 \div 4} = \frac{2}{9}$

4 Tick (✓) the fractions which are proper fraction:

(a) $\frac{13}{16}$ (b) $\frac{8}{7}$ (c) $\frac{17}{8}$ (d) $\frac{23}{25}$ (e) $\frac{38}{4}$

(f) $\frac{48}{50}$ (g) $\frac{25}{21}$ (h) $\frac{1}{7}$ (i) $\frac{45}{9}$ (j) $\frac{63}{65}$