

3) Reduce the following fractions to their lowest term.

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

Solution:

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

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

Solution

$$\begin{aligned} 102 \div 17 &= 6 \\ 119 \div 17 &= 7 \end{aligned}$$

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

Solution:

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

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

$$243$$

Solution

$$129 \div 3 = 43$$

$$243 \div 3 = 81$$

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

Ex

$$77$$

$$\frac{154}{238}$$

$$119$$

$$11$$

$$\frac{11}{17}$$

$$119$$

$$17$$

$$\frac{154}{238} = \frac{11}{17}$$

$$b) \frac{198}{297}$$

solution

$$198 \div 9 = 22 \div 11 = 2$$

$$297 \div 9 = 33 \div 11 = 3$$

$$\frac{198}{297} = \frac{2}{3}$$

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

Solution

$$\frac{117 \div 9}{189 \div 9} = \frac{13}{21}$$

$$\frac{117}{189} = \frac{13}{21}$$

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

Solution

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

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4) Tick (✓) the fractions to their lowest form:

~~a) $\frac{13}{16}$~~ b) $\frac{8}{7}$ c) $\frac{17}{8}$ d) ~~$\frac{23}{25}$~~ e) $\frac{38}{4}$ f) ~~$\frac{48}{50}$~~ (5) $\frac{25}{21}$

~~h) $\frac{1}{7}$~~ (i) $\frac{45}{9}$ (j) ~~$\frac{63}{65}$~~