



#### Exercise 4A

$$\frac{14 \div 7}{49 \div 7} = \frac{2}{7}$$

Hence,  $\frac{-14}{-49}$  is equal to  $\frac{2}{7}$  in the standard form.

$$(v) \frac{91}{-78}$$

The denominator is negative.

Multiplying its denominator and denominator by  $-1$ :

$$\frac{91 \times (-1)}{-78 \times (-1)} = \frac{-91}{78}$$

$$\begin{array}{r} 78 \overline{)91} 1 \\ \underline{-78} \\ 13 \end{array}$$

$$\begin{array}{r} 13 \overline{)78} 6 \\ \underline{-78} \\ 0 \end{array}$$

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H.C.F. of 91 and 78 is 13.

Dividing both the numerator and the denominator by 13:

$$\frac{-91 \div 13}{78 \div 13} = \frac{-7}{6}$$

Hence,  $\frac{91}{-78}$  is equal to  $\frac{-7}{6}$  in the standard form.

$$(vi) \frac{-68}{119}$$

$$\begin{array}{r} 68 \overline{)119} 1 \\ \underline{-68} \\ 51 \end{array}$$

$$\begin{array}{r} 51 \overline{)68} 1 \\ \underline{-51} \\ 17 \end{array}$$

$$\begin{array}{r} 17 \overline{)51} 3 \\ \underline{-51} \\ 0 \end{array}$$

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H.C.F. of 68 and 119 is 17.

Dividing both the numerator and the denominator by 17:

$$\frac{-68 \div 17}{119 \div 17} = \frac{-4}{7}$$

Hence,  $\frac{-68}{119}$  is equal to  $\frac{-4}{7}$  in the standard form.

$$(vii) \quad \frac{-87}{116}$$

$$\begin{array}{r} 87 \overline{)116} 1 \\ \underline{-87} \\ 29 \overline{)87} 3 \\ \underline{-87} \\ \times \end{array}$$

H.C.F. of 87 and 116 is 29.

Dividing both the numerator and the denominator by 29:

$$\frac{-87 \div 29}{116 \div 29} = \frac{-3}{4}$$

Hence,  $\frac{-87}{116}$  is equal to  $\frac{-3}{4}$  in the standard form.

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$$(viii) \quad \frac{299}{-161}$$

The denominator is negative.

Multiplying both the numerator and denominator by -1:

$$\frac{299 \times (-1)}{-161 \times (-1)} = \frac{-299}{161}$$

\*\*\*\*\* END \*\*\*\*\*