Exercise 2D

$$
\begin{array}{r}
1 \\
441\overline{)\,567} \\
-441 \\
\hline
126\overline{)\,441\,(3} \\
-378 \\
\hline
63\overline{)\,126\,(2} \\
-126 \\
\hline
0
\end{array}
$$

$\therefore$ HCF = 63

Now, we will find the HCF of 63 and 693.

$$
\begin{array}{r}
11 \\
63\overline{)\,693} \\
-693 \\
\hline
0
\end{array}
$$

$\therefore$ HCF = 63

Hence, the required number is 63.

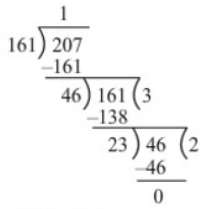
Q28

Answer :

(i) $\frac{161}{207}$

To reduce the given fraction to its lowest term, we will divide the numerator and the denominator by their HCF.

Now, we will find the HCF of 161 and 207.



∴ HCF = 23

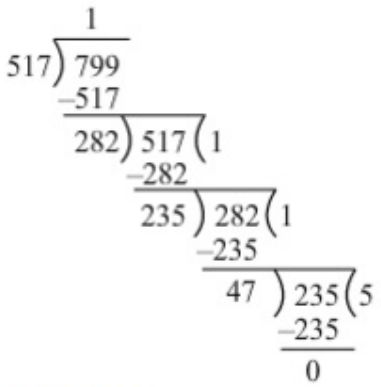
Dividing the numerator and the denominator by the HCF, we get:

$\frac{161 \div 23}{207 \div 23} = \frac{7}{9}$

(ii) $\frac{517}{799}$

To reduce the given fraction to its lowest term, we will divide the numerator and the denominator by their HCF.

Now, we will find the HCF of 517 and 799.



∴ HCF = 47

Dividing the numerator and the denominator by the HCF, we get:

$\frac{517 \div 47}{799 \div 47} = \frac{11}{17}$

(iii) $\frac{296}{481}$

To reduce the given fraction to its lowest term, we will divide the numerator and the denominator by their HCF.

Now, we will find the HCF of 296 and 481.

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