Now, $1197 = 3 \times 3 \times 7 \times 19 = 3^2 \times 7 \times 19$

$5320 = 2 \times 2 \times 2 \times 5 \times 7 \times 19 = 2^3 \times 5 \times 7 \times 19$

$4389 = 3 \times 7 \times 19 \times 11$

$\therefore$ Required HCF = $19 \times 7 = 133$

Q10

Answer :

We have:

```
        1
  58 ) 70
      −58
       12 ) 58 ( 4
           −48
            10 ) 12 ( 1
                −10
                 2 ) 10 ( 5
                    −10
                     0
```

$\therefore$ The HCF of 58 and 70 is 2.

Q11

Answer :

The given numbers are 399 and 437.

We have:

```
          1
  399 ) 437
      −399
        38 ) 399 ( 10
            −380
             19 ) 38 ( 2
```

$$\frac{-38}{0}$$

∴ The HCF is 19.

Q12

Answer :

The given numbers are 1045 and 1520.

We have:

$$
\begin{array}{r}
1 \\
1045{\overline{\smash{\big)}\,1520}} \\
\underline{-1045} \\
475{\overline{\smash{\big)}\,1045}}(2 \\
\underline{-950} \\
95{\overline{\smash{\big)}\,475}}(5 \\
\underline{475} \\
0
\end{array}
$$

∴ The HCF of 1045 and 1520 is 95.

Q13

Answer :

The given numbers are 1965 and 2096.

We have:

$$
\begin{array}{r}
1 \\
1965{\overline{\smash{\big)}\,2096}} \\
\underline{-1965} \\
131{\overline{\smash{\big)}\,1965}}(15 \\
\underline{-1965} \\
0
\end{array}
$$

∴ The HCF is 131.

Q14

Q14

Answer :

The given numbers are 2241and 2341.

We have:

$$
\begin{array}{r}
1 \\
2241\overline{)2324} \\
-2241 \\
\hline
83\overline{)2241}(27 \\
-2241 \\
\hline
0
\end{array}
$$

∴ HCF = 83

Q15

Answer :

The given numbers are 658, 940 and 1128.

First we will find the HCF of 658 and 940.

$$\begin{array}{r} 1 \\ 658\overline{)940} \\ -658 \\ \hline \end{array}$$
$$\begin{array}{r} 282\overline{)658}(2 \\ -564 \\ \hline \end{array}$$
$$\begin{array}{r} 94\overline{)282}(3 \\ -282 \\ \hline 0 \end{array}$$

Thus, the HCF of 658 and 940 is 94.

Now, we will find the HCF of 94 and 1128.

$$\begin{array}{r} 1 \\ 94\overline{)1128} \\ -1128 \\ \hline 0 \end{array}$$

Thus, the HCF of 94 and 1128 is 94.

∴ The HCF of 658, 940 and 1128 is 94.

Q16

Answer :

The given numbers are 754, 1508 and 1972.

First, we will find the HCF of 754 and 1508.

$$\begin{array}{r} 2 \\ 754\overline{)1508} \\ -1508 \\ \hline 0 \end{array}$$

So, the HCF of 754 and 1508 is 754.

Now, we will find the HCF of 754 and 1972.

$$\begin{array}{r} 2 \\ 754\overline{)1972} \\ -1508 \\ \hline \end{array}$$

$$464 \overline{) 754} (1$$
$$\underline{-464}$$
$$290 \overline{) 464} (1$$
$$\underline{-290}$$
$$174 \overline{) 290} (1$$
$$\underline{-174}$$
$$116 \overline{) 174} (1$$
$$\underline{-116}$$
$$58 \overline{) 116} (2$$
$$\underline{-116}$$
$$0$$

So, the HCF of 754 and 1972 is 58.

∴ The HCF of 754, 1058 and 1972 is 58.

Q17

Answer :

The given numbers are 391, 425 and 527.

First, we will find the HCF of 391 and 425.

$$391 \overline{) 425} (1$$
$$\underline{391}$$
$$34 \overline{) 391} (11$$
$$\underline{-374}$$
$$17 \overline{) 34} (2$$
$$\underline{-34}$$
$$0$$

So, the HCF of 391 and 425 is 17.

Now, we will find the HCF of 17 and 527.

$$17 \overline{) 527} (30$$
$$\underline{510}$$
$$17 \overline{) 17} (1$$
$$\underline{-17}$$
$$0$$

So, the HCF of 17 and 527 is 17.

∴ The HCF of 391, 425 and 527 is 17.

********** END **********