

```

F[j_] := Module[{i, div, check, result},

  i = j + 1;
  div = Divisors[i];
  check = Subsets[div, {3}];
  result = Function[If[ $\frac{i}{\#3} + \frac{i}{\#2} + \frac{i}{\#1} == j$ , True, False]] @@@ check;
  Function[Join[{j}, check[[#1]]]] @@@ Position[result, True]
]
list = {};
Do[list = Join[list, F[i]], {i, 100000}]
list
{{7, 2, 4, 8}, {11, 2, 3, 12}, {11, 2, 4, 6},
 {17, 2, 3, 9}, {19, 2, 4, 5}, {23, 2, 3, 8}, {41, 2, 3, 7}}

```