Descomposición de un número en un producto de factores primos

2274	2
1137	3
379	379
1	

$2274 = 2 \cdot 3 \cdot 379$

15750	2
7875	3
2625	3
875	5
175	5
35	5
7	7
1	

$3 \cdot 3 = 3^2$

$5^3 = 5 \cdot 5 \cdot 5$

$15750 = 2 \cdot 3 \cdot 3 \cdot 5 \cdot 5 \cdot 5 \cdot 7 =$

$= 2 \cdot 3^2 \cdot 5^3 \cdot 7$

4050	2
2025	3
675	3
225	3
75	3
25	5
5	5
1	

$4050 = 2 \cdot 3 \cdot 3 \cdot 3 \cdot 3 \cdot 5 \cdot 5 = 2 \cdot 3^4 \cdot 5^2$

3072	2
1536	2
768	2
384	2
192	2
96	2
48	2
24	2
12	2
6	2
3	3
1	

$3072 = 2^{10} \cdot 3$

1575	3
525	3
175	5
35	5
7	7
1	

$1575 = 3^2 \cdot 5^2 \cdot 7$

1575	5
315	5
63	3
21	3
7	7
1	

$1575 = 5^2 \cdot 3^2 \cdot 7$

OPERACIONES CON FRACCIONES

2 QUINTOS + 7 QUINTOS = 9 QUINTOS

$$\frac{2}{5} + \frac{7}{5} = \frac{9}{5}$$

$$\frac{7}{5} - \frac{3}{5} = \frac{4}{5}$$

NUMERADOR

DENOMINADOR

$$\frac{2}{3} + \frac{8}{5} = \frac{34}{15}$$

$$\frac{2 \cdot 5}{3 \cdot 5} = \frac{10}{15} \qquad \frac{8 \cdot 3}{5 \cdot 3} = \frac{24}{15}$$

$\downarrow \times 5 \qquad \downarrow \times 3$

$$\frac{10}{15} + \frac{24}{15} = \frac{34}{15}$$

$$\frac{1}{4} + \frac{2}{3} =$$

$\downarrow \times 3 \qquad \downarrow \times 4$

$$\frac{3}{12} + \frac{8}{12} = \frac{11}{12}$$

$$\frac{3}{5} + \frac{4}{7} =$$

$$\frac{21}{35} + \frac{20}{35} = \frac{41}{35}$$