

Multiples of Unit Fractions

A unit fraction is a fraction with a numerator of 1. You can write a fraction as the product of a whole number and a unit fraction.

Write $\frac{7}{10}$ as the product of a whole number and a unit fraction.

Write $\frac{7}{10}$ as the sum of unit fractions.

$$\frac{7}{10} = \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10}$$

Use multiplication to show repeated addition.

$$\frac{7}{10} = \underline{7} \times \frac{1}{10}$$

So, $\frac{7}{10} = \underline{7} \times \underline{\frac{1}{10}}$.

The product of a number and a counting number is a multiple of the number. You can find multiples of unit fractions.

List the next 4 multiples of $\frac{1}{8}$.

Make a table and use repeated addition.

$1 \times \frac{1}{8}$	$2 \times \frac{1}{8}$	$3 \times \frac{1}{8}$	$4 \times \frac{1}{8}$	$5 \times \frac{1}{8}$
$\frac{1}{8}$	$\frac{1}{8} + \frac{1}{8}$	$\frac{1}{8} + \frac{1}{8} + \frac{1}{8}$	$\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$	$\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$
$\frac{1}{8}$	$\underline{\frac{2}{8}}$	$\underline{\frac{3}{8}}$	$\underline{\frac{4}{8}}$	$\underline{\frac{5}{8}}$

The next 4 multiples of $\frac{1}{8}$ are $\underline{\frac{2}{8}}$, $\underline{\frac{3}{8}}$, $\underline{\frac{4}{8}}$, and $\underline{\frac{5}{8}}$.

Write the fraction as the product of a whole number and a unit fraction.

1 $\frac{2}{5} =$ _____

2 $\frac{5}{12} =$ _____

3 $\frac{7}{2} =$ _____

List the next four multiples of the unit fraction.

4 $\frac{1}{4}$, _____, _____, _____, _____

5 $\frac{1}{6}$, _____, _____, _____, _____