## FRACTIONS momesemem



## Overview

## Fractions we learn:

-Unit and Non-Unit Fractions -What is a Fraction? -Tenths/ Count in Tenths -Equivalent Fractions -Fractions Greater than One -Count in Fractions -Add Fractions -Add Two or More Fractions This learning is important because...
it helps us to understand the parts that can make up a whole amount. This is needed in lots of areas of life (e.g sharing, cooking, making). Fractions are the building blocks of other learning in maths.


## Equivalent Fractions and Fractions of Ouantities

| Equivalent Fractions |  |  |  |  | 1 Whole |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| -Equivalent fractions have different numbers in them, but have the same value, e.g. $1 / 2=2 / 4$. |  |  |  |  | 1 |  |  |  |  | $\frac{1}{2}$ |  |  |  |  |
|  |  |  |  |  |  |  | $\frac{1}{3}$ |  |  |  |  | $\frac{1}{3}$ |  |  |
|  |  |  |  |  |  | $\frac{1}{4}$ |  | $\frac{1}{4}$ |  |  | $\frac{1}{4}$ |  |  | $\frac{1}{4}$ |
|  |  |  |  |  | $\frac{1}{5}$ |  |  | $\frac{1}{5}$ | $\frac{5}{5}$ |  | $\frac{1}{5}$ |  | $\frac{1}{5}$ |  |
| To find the fraction of a number, divide by the denominator and multiply by the numerator. |  |  |  |  | $\frac{1}{6}$ | $\frac{1}{6} \quad \frac{1}{6}$ |  |  |  | $\frac{1}{6}$ |  | $\frac{1}{6}$ |  | $\frac{1}{6}$ |
|  |  |  |  |  | $\frac{1}{8}$ | $\frac{1}{8}$ | - | $\frac{1}{8}$ | $\frac{1}{8}$ |  |  | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ |
| 6 | 6 | 6 | 6 | 6 |  | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ |
| for 4/6 of |  |  |  | $\begin{aligned} & \div 6=5 \\ & 5 \times 4=20 \end{aligned}$ | $\begin{array}{\|l\|l} \hline \frac{1}{12} & \frac{1}{12} \\ \hline \end{array}$ | $\frac{1}{12} \frac{1}{12}$ |  | $\frac{1}{12} \frac{1}{12}$ | $\frac{1}{12}$ |  | $\frac{1}{12}$ | $\frac{1}{12} \frac{1}{12}$ | $\frac{1}{12} \frac{1}{12}$ | $\frac{1}{12} \frac{1}{12}$ |

## Adding and Subtracting Fractions/ Fractions of Amounts

| Adding Fractions <br> -Numerators added together. Denominator stays the same. $=$ $1 / 5+2 / 5=3 / 5$ |  |
| :---: | :---: |
| Subtracting Fractions <br> -Numerators subtract. Denominator stays the same. $3 / 4-2 / 4=1 / 4$ | Subtracting Fractions across a whole $5 / 4(\text { or } 11 / 4)-3 / 4=2 / 4$ |

## Key Vocabulary

| Unit Fraction | Non-unit Fraction | Half | Quarter | Third | Fourth | Fifth | Sixth | Eighth Tenth Numerator $\quad$ Denominator | Equivalent |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

