Common Fractions and Their Decimal Equivalents

Understanding fractions and their decimal equivalents is essential for solving math problems quickly. Below is a helpful reference chart to assist with conversions.

Helpful Tips for Converting Fractions to Decimals:

- Divide the numerator (top number) by the denominator (bottom number) using long division.

- Recognize repeating decimals, which are indicated by a line or dots over repeating digits.

- Memorize common conversions to speed up calculations.

Keep this chart handy for quick reference when working with fractions and decimals!

Fraction	Decimal
1/2	0.5
1/3	0.333…
2/3	0.666…
1/4	0.25
3/4	0.75
1/5	0.2
2/5	0.4
3/5	0.6
4/5	0.8
1/6	0.166…
5/6	0.833…
1/8	0.125
3/8	0.375
5/8	0.625
7/8	0.875
1/9	0.111…
2/9	0.222…

4/9	**0.444…**
5/9	0.555…
7/9	0.777…
8/9	0.888…
1/10	0.1
3/10	0.3
7/10	0.7
9/10	0.9