# Year 5 Fractions

## National Curriculum Aims

➤ compare and order fractions whose denominators are all multiples of the same
➤ identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths
➤ recognise mixed numbers and improper fractions and convert from one form to the other
➤ round decimals with two decimal places to the nearest whole number and to one decimal place
➤ read, write, order and compare numbers with up to three decimal places

## Key Vocabulary

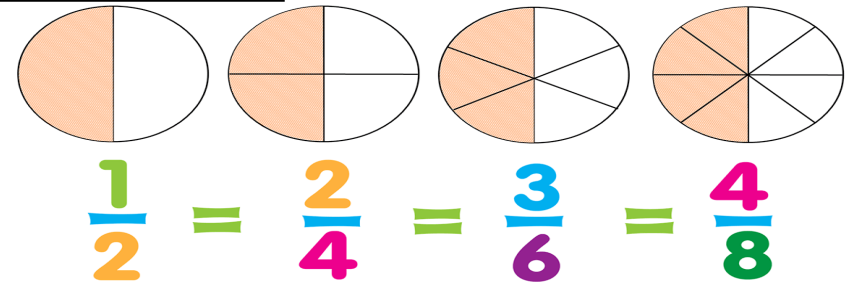| | |
|---|---|
| Fraction | Parts of something |
| Denominator | The bottom number of a fraction. Tells you how many parts the shape has been divided into. |
| Numerator | The top number of a fraction. Tells you how many equal (same size) parts there are. |
| Decimal Number | A whole number part, separated by decimal point from the fraction part (a part of a number) |
| Proper fraction | A fraction where the numerator is smaller than the denominator. The fraction is worth less than 1. |
| Improper fraction | A fraction where the denominator is larger than the numerator. The fraction is worth more than 1. |
| Equivalent | Fractions or numbers worth the same as another. |
| Percentage | Out of a hundred (per 100). We use the symbol % |
| Ratio | Comparing one quantity (amount) to another. |

## Home Learning

- Use the website:
- https://www.mathlearningcenter.org/apps/fractions
- Compare fractions using a fraction wall:
- https://mathsbot.com/manipulatives/fractionWall

## Core Knowledge and Representations

Equivalent fractions

$$\frac{1}{2} = \frac{2}{4} = \frac{3}{6} = \frac{4}{8}$$

A percentage is a number out of 100.

Numerator

$$13\% = \frac{13}{100}$$

Denominator

## Types of Fractions

| Mixed Fraction | Improper Fraction | Proper Fraction |
|---|---|---|
| $5\frac{1}{3}$ | $\frac{7}{5}$ | $\frac{1}{4}$ |

Decimal Point

Units

Tens

$25.386$

Tenths

Hundredths

Thousandths

10x Bigger

10x Smaller