

Year Group	Subject	Topic
4	Mathematics	Decimals

What does the decimals unit consist of?

In this unit, pupils will be taught to:

- count up and down in hundredths; recognise that hundredths arise when dividing an object by 100 and dividing tenths by 10.
- recognise and write decimal equivalents of any number of tenths or hundredths
- recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$
- find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths, and hundredths.
- round decimals with 1 decimal place to the nearest whole number.
- compare numbers with the same number of decimal places up to 2 decimal places.

Key Vocabulary

tenths

hundredths

decimal tenths

decimal hundredths

decimal equivalents

part-whole model

rounding

decimal point

place value

Rounding Decimals

If the tenths digit is **1, 2, 3 or 4**, we round **down** to the nearest whole number.

If the tenths digit is **5, 6, 7, 8 or 9**, we round **up** to the nearest whole number.

Make a Whole

1

0.58

0.42

1

0.37

0.63

Comparing Numbers with Two Decimal Places

Ones	Tenths	Hundredths
0	3 <small>$\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$</small>	4 <small>$\frac{1}{100}$ $\frac{1}{100}$ $\frac{1}{100}$ $\frac{1}{100}$</small>

0 . 3 4

Ones	Tenths	Hundredths
1		0 <small>$\frac{1}{100}$</small>

1 . 0 2

Ones	Tenths	Hundredths
2 <small>1 1</small>	1 <small>$\frac{1}{10}$</small>	3 <small>$\frac{1}{100}$ $\frac{1}{100}$</small>

2 . 1 3

Partitioning Tenths and Hundredths

0.65

0.6

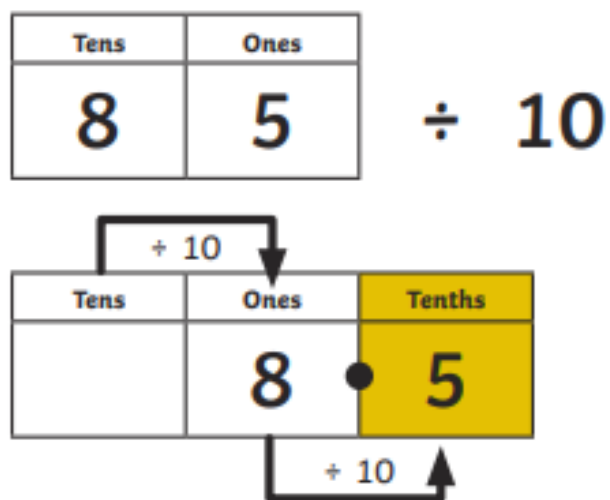
0.05

0.65

0.5

0.15

Dividing by 10



Dividing by 100

