

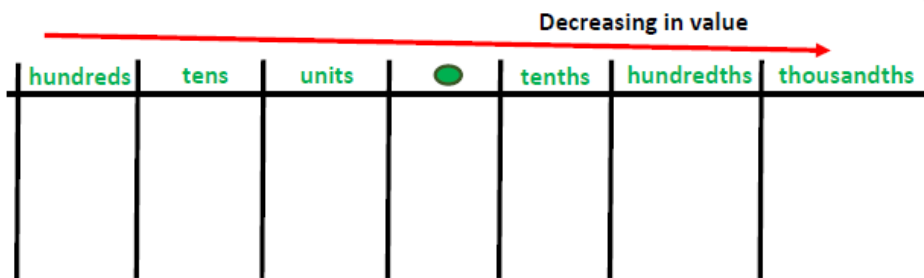
Week 1: Decimals

What does it mean?

We use **decimal** numbers every day with money, measurement and many more situations where we need to express an amount out of 10 that is in between or less than a whole number. **Decimals** are closely related to percentages – 0.52 → 52%, 0.01 → 1%.

In Key Stage Three, you will learn a lot about decimals including:

- Ordering
- Adding and Subtracting
- Multiplying and Dividing by 10, 100 and 1000
- Multiplying and Dividing by a whole number
- Comparing decimals – larger and smaller.



Need more guidance? [click here for video](#)

Task



Use the signs **<** and **>** to **compare** the pairs of decimals.
The first one has been done for you.

a) 3.2 > 3.02

e) 21.2 ___ 21.12

b) 4.23 ___ 4.32

f) 10.77 ___ 10.707

c) 11.01 ___ 11.1

g) 9.09 ___ 9.9

d) 8.03 ___ 8.003

h) 0.86 ___ 0.861

Problem Solving

Question 1: Arrange these temperatures in order, from lowest to highest

(a) 11°C , 10.8°C , 12.3°C , 15°C , 12.7°C

(b) 8.5°C , 0.7°C , -3°C , 0.9°C , 6°C , 1.3°C , -5.1°C

Question 2: Arrange these amounts of money in order, from highest to lowest.

(a) £6.74, £10, £1.99, £8, £3.30, £2

(b) 80p, £1, £0.09, 23p, £2.75, £0.82, £20

Question 3: The distance of various landmarks from Big Ben are listed below.
Arrange the landmarks in order, from closest to furthest.

London Eye	0.41 miles
Wembley	11.62 miles
Buckingham Palace	0.8 miles
Trafalgar Square	0.63 miles
Hyde Park	2.27 miles
Thorpe Park	24.7 miles



Question 4: Arrange these measurements in order from largest to smallest

(a) 6.2m, 6.077m, 6.31m, 6.19m, 6.4m, 6.009m

(b) 5kg, 800g, 1.2kg, 90g, 0.6kg

Weekly Challenge:

Connor has five times as much money as Jayden.

Connor gives some money to Jayden.

They now have £8.52 each.

How much did Connor have at the start?

Now complete the online quiz:

[click here for link](#)