

Answers

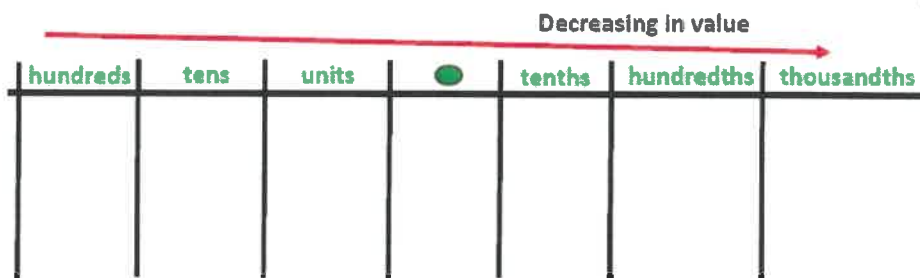
Week 1: Decimals

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? <https://corbettmaths.com/2012/08/10/ordering-decimals-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 *10.8, 11, 12.3, 12.7, 15*

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

-5.1, -3, 0.7, 0.9, 1.3, 6, 8.5

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

(a) £6.74, £10, £1.99, £8, £3.30, £2 *1.99, 2, 3.30, 6.74, 8, 10*

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

20.09, 23p, 80p, £0.82, 21, 22.75, 220

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

① London Eye	0.41 miles
⑤ Wembley	11.62 miles
③ Buckingham Palace	0.8 miles
② Trafalgar Square	0.63 miles
④ Hyde Park	2.27 miles
⑥ 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

6.009, 6.077, 6.19, 6.2, 6.31, 6.4

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

90g, 0.6kg, 800g, 1.2kg, 5kg

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?

Put your answer here!

Now complete the online quiz:

<https://forms.office.com/r/8H60Xp81ak>

