

21.4.21

## Decimals

Learning Objective:

We are learning to subtract decimals with the same number of decimal places.

I will be successful if:

- I can exchange numbers to help with subtraction.
- I can subtract decimals using visual representations and written column method.
- I can use estimation to check my answer.

## Key Vocabulary

place value

decimal places

exchanging

whole number

ones

tenths

hundredths

thousandths

value

digit

# Flashback 4

Year 5 | Week 2 | Day 3

- 1) Work out  $3.16 + 2.52$
- 2) Complete the calculation.  
 $\square + 0.28 = 1$
- 3) Which is greater,  $\frac{37}{1000}$  or  $\frac{3}{100}$ ?
- 4) How many hours are there in three days?

White  
Rose  
Maths

Challenge - Write these measurements as decimals.

5)  $4 \frac{2}{5}$  kg

6) 7 and  $\frac{1}{4}$  m

7)  $6 \frac{3}{10}$  l

8)  $8 \frac{3}{4}$  kg

# Flashback 4

Year 5 | Week 2 | Day 3

- 1) Work out  $3.16 + 2.52$  5.68
- 2) Complete the calculation.  
 $\square + 0.28 = 1$  0.72
- 3) Which is greater,  $\frac{37}{1000}$  or  $\frac{3}{100}$ ?  $\frac{3}{100}$
- 4) How many hours are there in three days? 72



Challenge - Write these measurements as decimals.

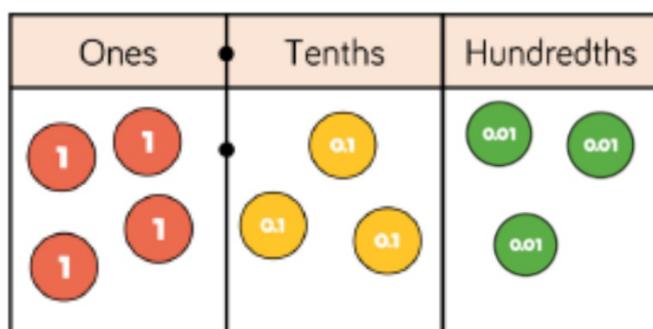
5)  $4 \frac{2}{5} \text{ kg} = 4.4 \text{ kg}$

6)  $7 \text{ and } \frac{1}{4} \text{ m} = 7.25 \text{ m}$

7)  $6 \frac{3}{10} \text{ l} = 6.3 \text{ l}$

8)  $8 \frac{3}{4} \text{ kg} = 8.75 \text{ kg}$

What happens when you need to subtract a greater digit from a smaller digit?



$$\begin{array}{r} 4.33 \\ - 2.14 \\ \hline \\ \hline \end{array}$$

Can this happen more than once in a calculation?

Before you start, can you spot which digits will need exchanging?

What would be a sensible prediction for the answer?

$$\begin{array}{r} 6.4 \\ -3.8 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 5.05 \\ -2.15 \\ \hline \\ \hline \end{array}$$

Jack has £12.54 in his wallet.  
He buys a football which costs £5.82



How much money does he have left?

# True or False ?

Subtracting decimals with the same number of decimal places

$$\text{If } 2.73 + 4.39 = 7.12$$

Then

$$7.12 - 4.39 = 2.73$$

And

$$7.12 - 2.73 = 4.39$$

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Subtracting decimals with the same number of decimal places

## Reasoning challenges

Dexter and Annie have some money.  
Dexter has £3.45 more than Annie.

They have £12.45 altogether.

How much money does Annie have?

Dexter



Annie



In this number pyramid, each number is calculated by adding the two numbers underneath.

