

Homework/Extension

Step 1: Decimals up to 2 d.p

National Curriculum Objectives:

Mathematics Year 5: (5F8) [Read, write, order and compare numbers with up to three decimal places](#)

Mathematics Year 5: (5F10) [Solve problems involving number up to three decimal places](#)

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

Developing State which number has the lowest value of a given digit. Image support and place value grid provided.

Expected State which number has the lowest value of a given digit. Place value grid provided.

Greater Depth State which number has the lowest value of a given digit. No image or place value grid provided.

Questions 2, 5 and 8 (Varied Fluency)

Developing Write the number that is represented in each place value grid. Includes conventional partitioning and images to support.

Expected Write the number that is represented in each place value grid. Includes some unconventional partitioning and images for support.

Greater Depth Write the number that is represented in each number sentence. Includes unconventional partitioning.

Questions 3, 6 and 9 (Reasoning and Problem Solving)

Developing Explain and correct the mistake. Includes conventional partitioning and images to support.

Expected Explain and correct the mistake. Includes some unconventional partitioning and images for support.

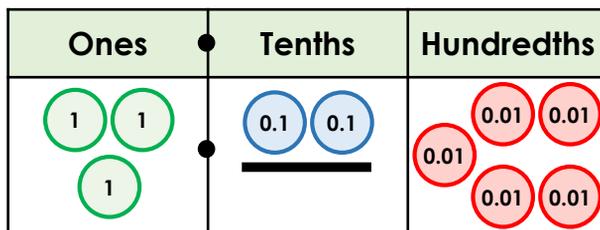
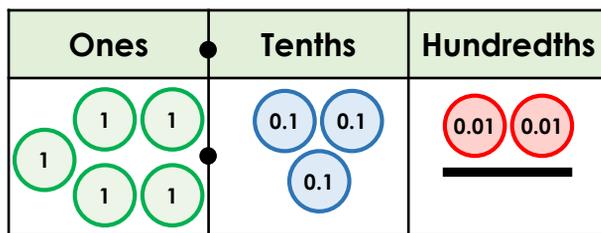
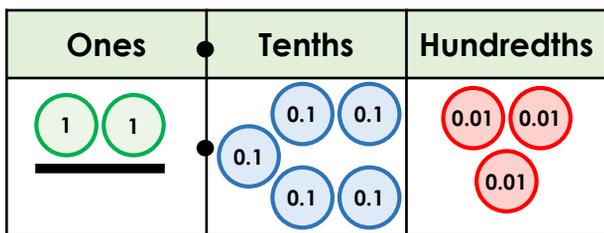
Greater Depth Explain and correct the mistake. Includes unconventional partitioning.

More [Year 5 Decimals and Percentages](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

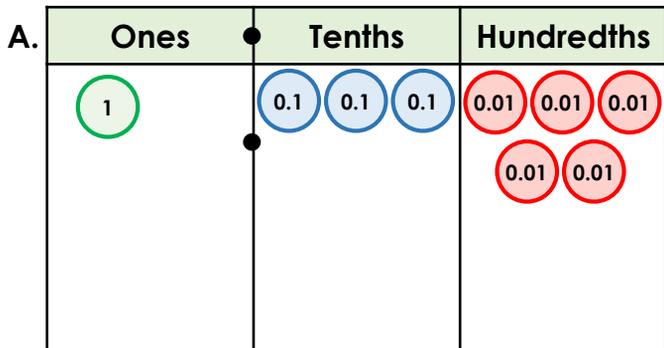
Decimals up to 2 d.p

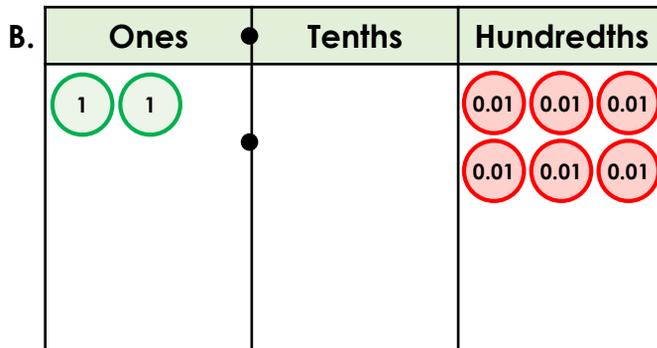
1. In which number does the 2 have the lowest value?



VF
HW/Ext

2. Write the number represented by each place value grid.







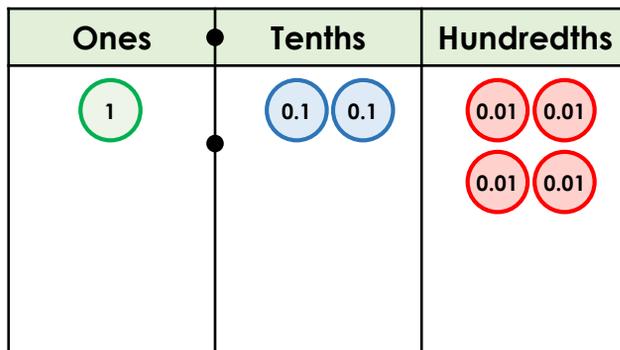
VF
HW/Ext

3. Kathryn has some counters on her place value grid.

She says,



I add 2 ones, 3 tenths and a hundredth counter. My new number is 3.37.



Explain and correct Kathryn's mistake.



RPS
HW/Ext

Decimals up to 2 d.p

4. In which number does the 4 have the lowest value?

Ones	Tenths	Hundredths
1	<u>4</u>	5

Ones	Tenths	Hundredths
<u>4</u>	1	5

Ones	Tenths	Hundredths
1	5	<u>4</u>



VF
HW/Ext

5. Write the number represented by each place value grid.

A.

Ones	Tenths	Hundredths
1 1	0.1 0.1 0.1	0.01 0.01 0.01
	0.1 0.1 0.1	0.01 0.01 0.01
	0.1 0.1 0.1	0.01 0.01 0.01
	0.1 0.1 0.1	

B.

Ones	Tenths	Hundredths
	0.1 0.1 0.1	0.01 0.01 0.01
	0.1 0.1 0.1	0.01 0.01 0.01
	0.1 0.1 0.1	0.01 0.01
	0.1	



VF
HW/Ext

6. Lee has some counters on his place value grid.

He says,



I add 1 ten, 2 tenths and 3 hundredths.
My new number is 13.105.

Tens	Ones	Tenths	Hundredths
	1 1 1	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.01 0.01

Explain and correct Lee's mistake.



RPS
HW/Ext

Decimals up to 2 d.p

7. In which number does the 8 have the lowest value?

3.84

3.08

8.34

80.34

38.04



VF
HW/Ext

8. Write the number represented by each sentence.

A.

18 tenths + 4 hundredths

B.

2 ones + 6 tenths + 13 hundredths

C.

5 ones + 23 hundredths



VF
HW/Ext

9. Aliyah says,



I have 5 ones, 10 tenths and 9 hundredths. I add 20 ones, 2 tenths, and take away a hundredth. My new number is 25.28.

Tens	Ones	Tenths	Hundredths

Explain and correct Aliyah's mistake.



RPS
HW/Ext

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Developing

1. **5.32**
2. **A. 1.35, B. 2.06**
3. **Kathryn has added 1 tenth and 3 hundredths instead of the other way round. Her new number is 3.55.**

Expected

4. **1.54**
5. **A. 3.29, B. 1.08**
6. **Lee has not exchanged the 10 tenths for a one. His new number is 14.05.**

Greater Depth

7. **3.08**
8. **A. 1.84, B. 2.73, C. 5.23**
9. **Aliyah has not exchanged the 10 tenths to for a one but has counted them as 1 tenth. Her new number is 26.28.**