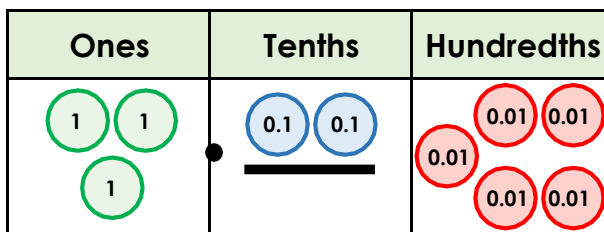# Tricky - Decimals up to 2 d.p
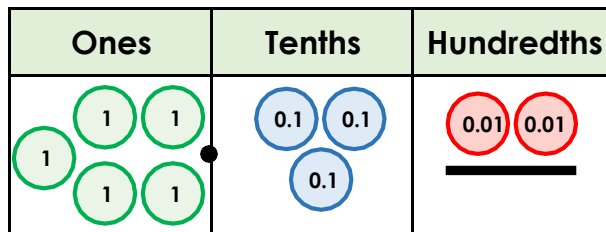
1. In which number does the 2 have the lowest value?

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

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

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

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

A.

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

B.

Ones	Tenths	Hundredths
○ ○		0.01 0.01 0.01 0.01 0.01 0.01
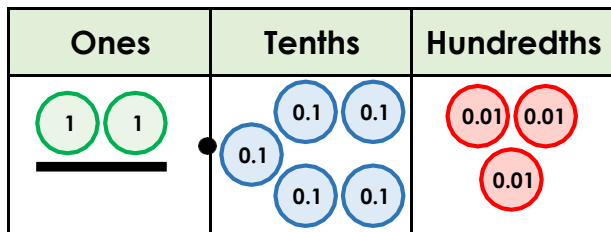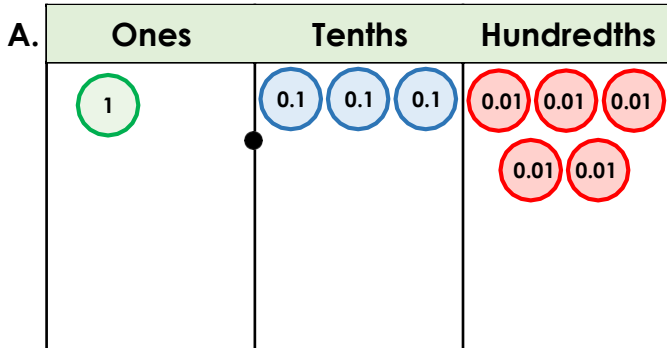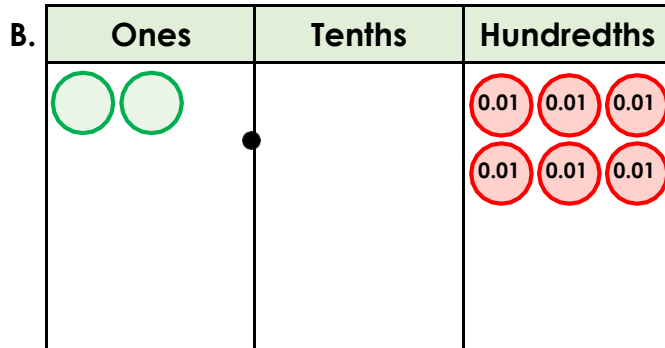
3. Kathryn has some counters on her place value grid.

She says,

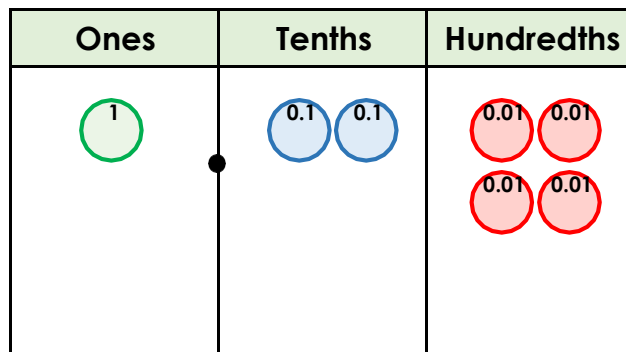> I add 2 ones, 3 tenths and a hundredth counter. My new number is 3.37.

Ones	Tenths	Hundredths
1	0.1 0.1	0.01 0.01 0.01 0.01

Explain and correct Kathryn's mistake.

Trickier - Decimals up to 2 d.p

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

Ones	Tenths	Hundredths
1	**4**	5

Ones	Tenths	Hundredths
4	1	5

Ones	Tenths	Hundredths
1	5	**4**

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

A.

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

B.

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

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.

Trickiest - Decimals up to 2 d.p

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

3.8<u>8</u>4

3.<u>8</u>4   3.0<u>8</u>   <u>8</u>.34

<u>8</u>0.34   3<u>8</u>.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

2. Write two suitable headings to complete the Carroll diagram, then create 2 different numbers with 2 decimal places for each section.

Hundredths column is a multiple of 3		
Hundredths column is not a multiple of 3		

Digit cards can be used more than once.

6 0 1 9 2 5 3

DP

Decimals up to 2 d.p

Tricky
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.**

Trickier
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.**

Trickiest
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.**

2. Write two suitable headings to complete the Carroll diagram, then create 2 different numbers with 2 decimal places for each section.

Various answers, for example:

	Ones column is odd	Ones column is even
Hundredths column is a multiple of 3	5.19 9.03	2.06 6.13
Hundredths column is not a multiple of 3	5.02 3.21	6.91 2.15

Digit cards can be used more than once.

| 6 | 0 | 1 | 9 | 2 | 5 | 3 |

DP