Varied Fluency
Step 8: Subtracting – Different Decimal Places

National Curriculum Objectives:

Mathematics Year 5: (5F10) <u>Solve problems involving number up to three decimal places</u>
Mathematics Year 5: (5M9a) <u>Use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling</u>

Differentiation:

Developing Questions to support subtracting numbers with different decimal places (using ones, tenths and hundredths); no exchanges.
Expected Questions to support subtracting numbers with different decimal places (using ones, tenths, hundredths and thousandths); single exchanges.
Greater Depth Questions to support subtracting numbers with different decimal places (using tens, ones, tenths, hundredths and thousandths); multiple exchanges.

More <u>Year 5 Decimals</u> resources.

Did you like this resource? Don't forget to <u>review</u> it on our website.

Subtracting – Different Decimal Places

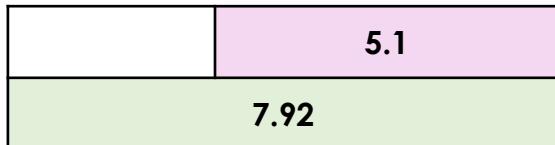## 1a. Use the column method to complete the calculation:
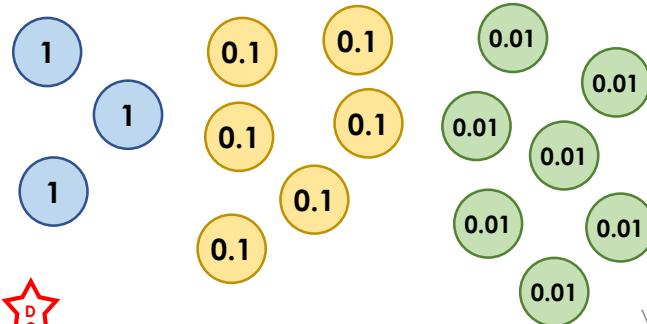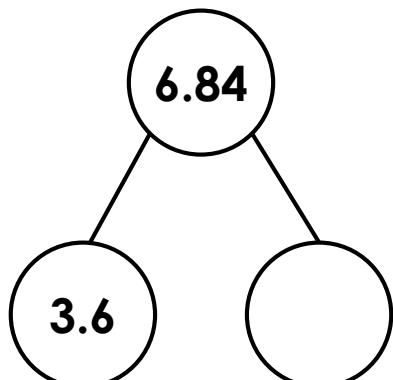
2.38 – 1.2

VF

1b. Use the column method to complete the calculation:

6.75 – 4.3

VF

2a. Complete the bar model.

	5.1
7.92	

VF

2b. Complete the bar model.

3.5	
5.76	

VF

3a. Subtract 2.3 from the following:

1 1 1 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
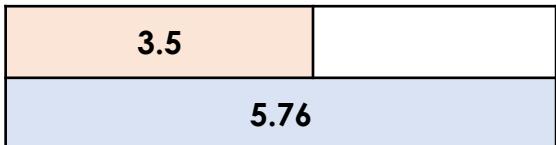
VF

3b. Subtract 4.4 from the following:

1 1 1 1
0.1 0.1 0.1 0.1 0.1
0.01 0.01 0.01 0.01 0.01 0.01

VF

4a. Complete the part whole model.

6.84

3.6

VF

4b. Complete the part whole model.

8.49

5.2

VF

Varied Fluency – Subtracting – Different Decimals Places – Year 5 Developing
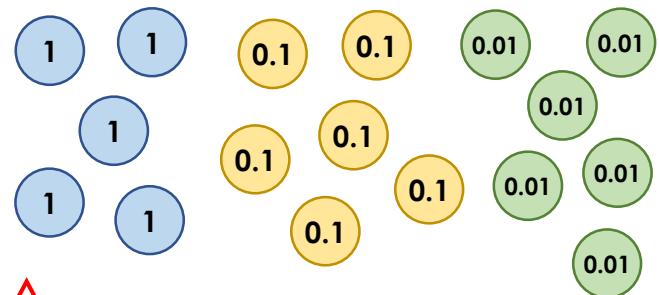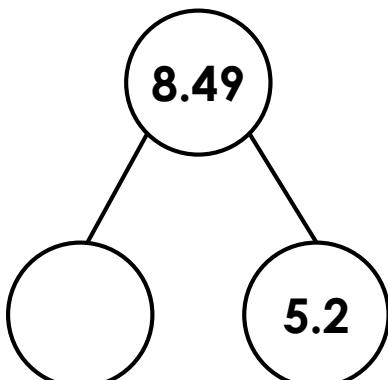
Subtracting – Different Decimal Places

5a. Use the column method to complete the calculation:

$$4.638 – 1.72$$

5b. Use the column method to complete the calculation:

$$7.519 – 2.34$$

VF

6a. Complete the bar model.

	3.208
8.57	

VF

6b. Complete the bar model.

4.725	
6.98	
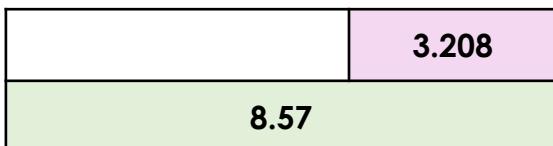
VF

7a. Subtract 1.39 from the following:

1 0.1 0.1 0.01 0.01 0.001 0.001
1 0.1 0.1 0.01 0.01 0.001
1 0.1 0.01 0.01
   0.1 0.01
   0.01
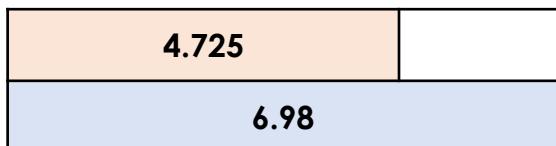
VF

7b. Subtract 2.81 from the following:

1 0.1 0.1 0.01 0.01 0.001
1 0.1 0.01 0.01 0.001 0.001
1 0.1 0.1 0.01 0.001
1 0.1 0.01 0.01 0.001
   0.1 0.01 0.001

VF

8a. Complete the part whole model.

7.58
4.136
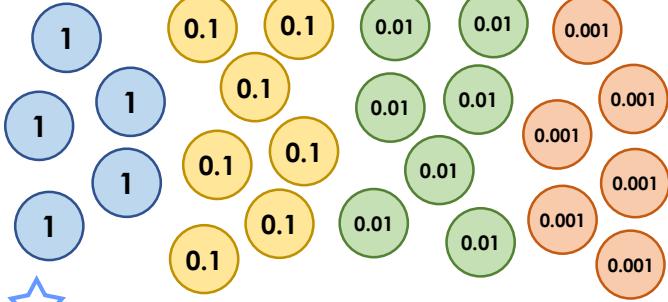
VF

8b. Complete the part whole model.

8.46
3.152

VF

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Varied Fluency – Subtracting – Different Decimals Places – Year 5 Expected
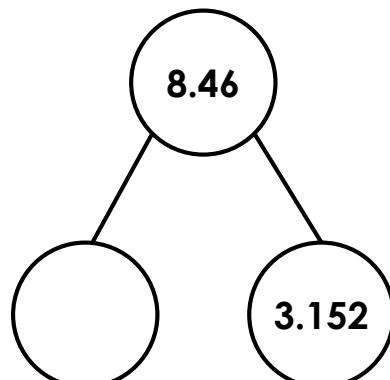
Subtracting – Different Decimal Places

9a. Use the column method to complete the calculation:

$$19.382 - 8.49$$

GD | VF

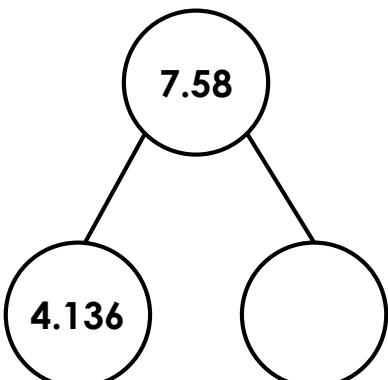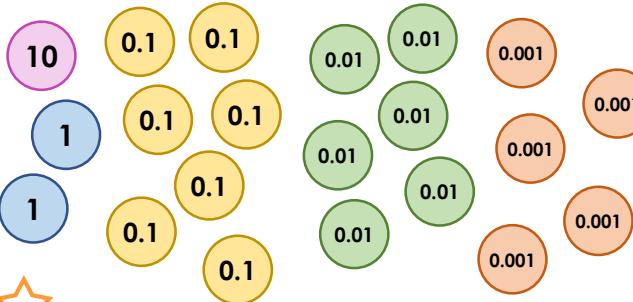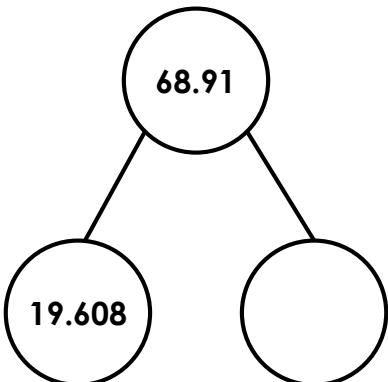**9b.** Use the column method to complete the calculation:

$$22.68 - 5.214$$

GD | VF

10a. Complete the bar model.

	7.018
35.94	

GD | VF

10b. Complete the bar model.

7.67	
14.398	
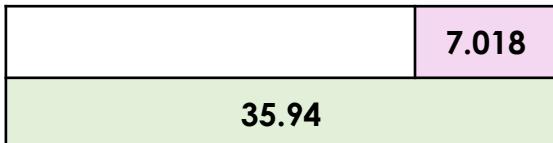
GD | VF

11a. Subtract 4.39 from the following:

10, 1, 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, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001
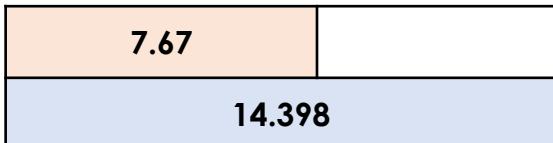
GD | VF

11b. Subtract 9.29 from the following:
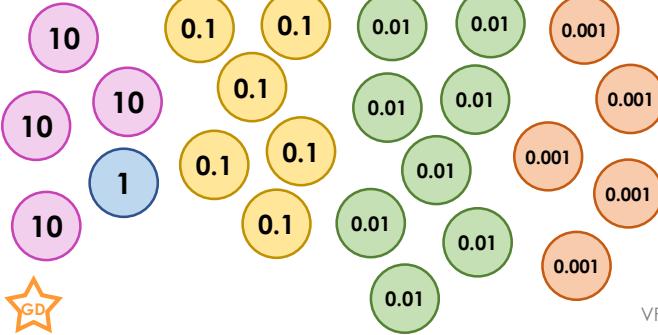
10, 10, 10, 10, 1, 0.1, 0.1, 0.1, 0.1, 0.1, 0.1, 0.01, 0.01, 0.01, 0.01, 0.01, 0.01, 0.01, 0.001, 0.001, 0.001, 0.001, 0.001

GD | VF

12a. Complete the part whole model.

68.91

19.608

GD | VF

12b. Complete the part whole model.

57.05

12.914

GD | VF

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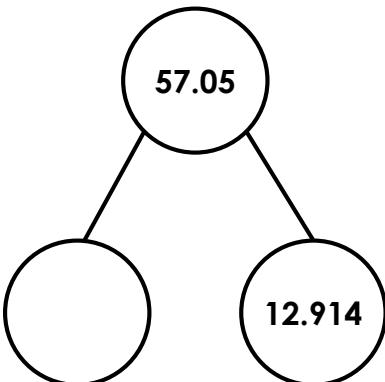
Varied Fluency – Subtracting – Different Decimals Places – Year 5 Greater Depth

Developing
1a. 1.18
2a. 2.82
3a. 1.37
4a. 3.24

Expected
5a. 2.918
6a. 5.362
7a. 2.283
8a. 3.444

Greater Depth
9a. 10.892
10a. 28.922
11a. 8.375
12a. 49.302

Developing
1b. 2.45
2b. 2.26
3b. 1.26
4b. 3.29

Expected
5b. 5.179
6b. 2.255
7b. 2.966
8b. 5.308

Greater Depth
9b. 17.466
10b. 6.728
11b. 32.395
12b. 44.136