Varied Fluency
Step 2 - Subtracting Decimals Within 1

National Curriculum Objectives:

Mathematics Year 5: (5F10) Solve problems involving number up to 3dp.
Mathematics Year 5: (5M9a) Use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling.

Differentiation:

Developing Questions to support subtracting decimals within 1 using hundredths and tenths, no exchanges.
Expected Questions to support subtracting decimals within 1 using thousandths, hundredths and tenths, with exchanges.
Greater Depth Questions to support subtracting decimals within 1 using thousandths, hundredths and tenths with multiple exchanges per question.

More Year 5 Decimals resources.

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

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Subtracting Decimals Within 1

1a. Use the cubes and tables to calculate:

Ones	Tenths	Hundredths
		

How much is 2 tenths less than this?
Now subtract 2 hundredths?

D VF

Subtracting Decimals Within 1

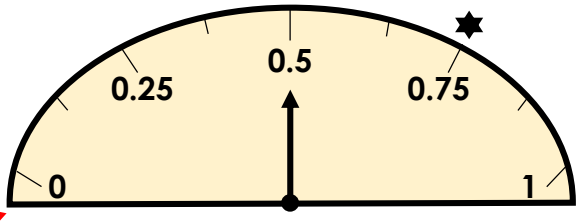
1b. Use the cubes and tables to calculate:

Ones	Tenths	Hundredths
		

How much is 1 tenth less than this?
Now subtract 2 hundredths?

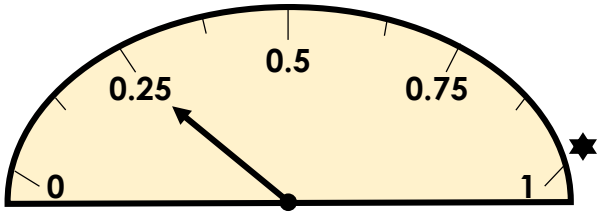
D VF

2a. What is the difference between the reading on the scale and your target weight marked with ★.



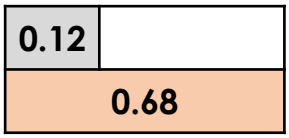
D VF

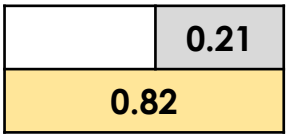
2b. What is the difference between the reading on the scale and your target weight marked with ★.

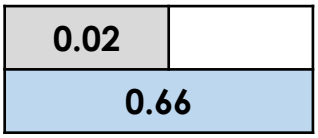


D VF

3a. Find the missing number in each bar model.



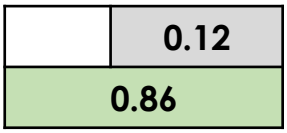


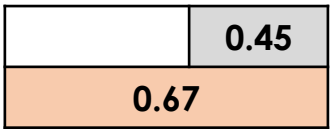


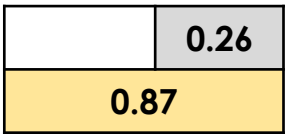
Now write each as a subtraction.

D VF

3b. Find the missing number in each bar model.







Now write each as a subtraction.

D VF

4a. True or false?

$0.88 - 0.16 = 0.72$

D VF

4b. True or false?

$0.78 - 0.64 = 0.16$

D VF

5a. Calculate the difference using the number line.

D VF

5b. Calculate the following using a number line.

D VF

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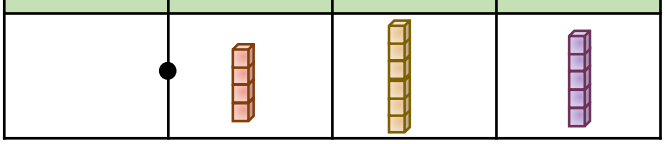
Subtracting Decimals Within 1

6a. Use the cubes and tables to calculate:

Ones	Tenths	Hundredths	Thousandths



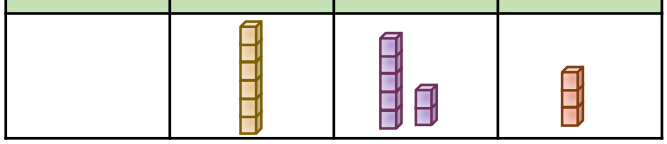
How much is 3 tenths less than this?
Now subtract 4 hundredths?
What is another 6 thousandths less?

VF

Subtracting Decimals Within 1

6b. Use the cubes and tables to calculate:

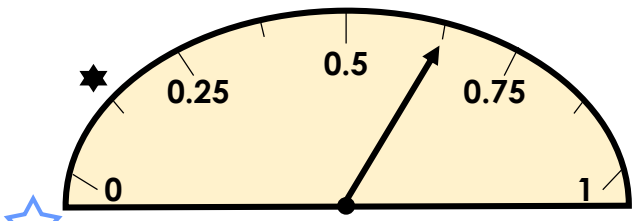
Ones	Tenths	Hundredths	Thousandths



How much is 4 tenths less than this?
Now subtract 8 hundredths?
What is another 2 thousandths less?

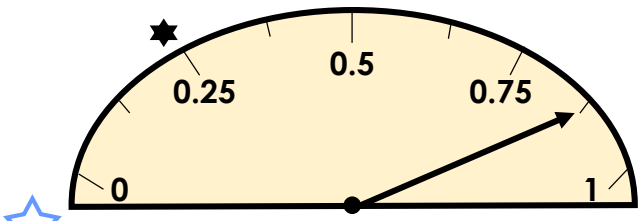
VF

7a. What is the difference between the reading on the scale and your target weight marked with ★.



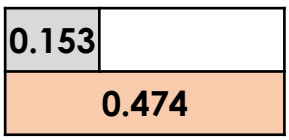
VF

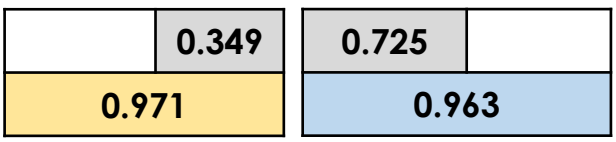
7b. What is the difference between the reading on the scale and your target weight marked with ★.



VF

8a. Find the missing number in each bar model.

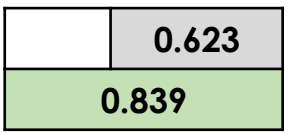


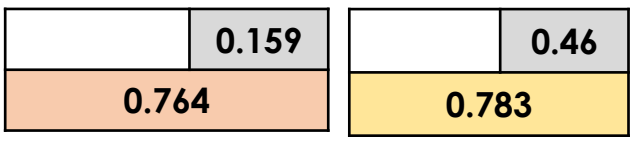


Now write each as a subtraction.

VF

8b. Find the missing number in each bar model.





Now write each as a subtraction.

VF

9a. True or false?

$0.863 - 0.276 = 0.612$

VF

9b. True or false?

$0.175 - 0.089 = 0.091$

VF

10a. Calculate the difference using the number line.

0.532 0.851

VF

10b. Calculate the following using a number line.

0.635 0.982

VF

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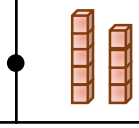
Subtracting Decimals Within 1

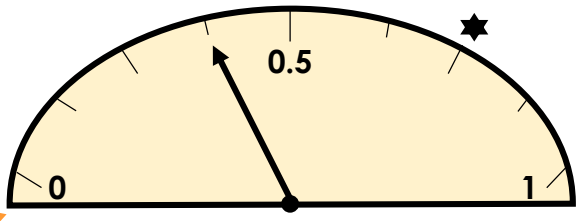
11a. Use the cubes and tables to calculate:

Ones	Tenths	Hundredths	Thousandths
			

How much is 8 tenths, 5 hundredths and 2 thousandths less than this?

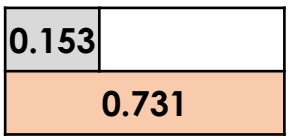
GD VF

12a. What is the difference between the reading on the scale and your target weight marked with ★. Give your answer in kilograms.



GD VF

13a. Find the missing number in each bar model.



Now write each as a subtraction.

GD VF

14a. True or false?

$$0.983 - 0.698 = 0.315$$

GD VF

15a. Calculate the difference using the number line.

0.56 0.902

GD VF

Subtracting Decimals Within 1

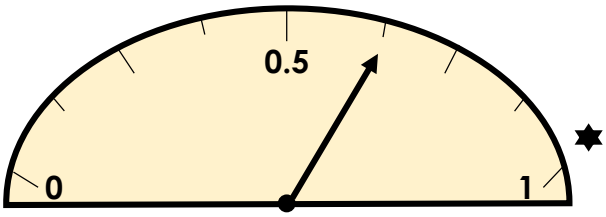
11b. Use the cubes and tables to calculate:

Ones	Tenths	Hundredths	Thousandths
			

How much is 5 hundredths and 9 thousandths less than this?

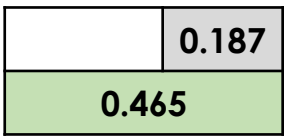
GD VF

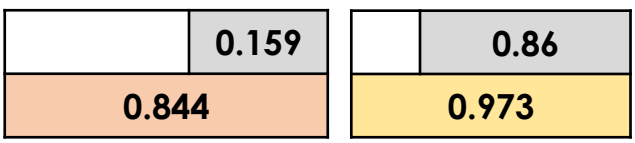
12b. What is the difference between the reading on the scale and your target weight marked with ★. Give your answer in kilograms.



GD VF

13b. Find the missing number in each bar model.





Now write each as a subtraction.

GD VF

14b. True or false?

$$0.769 - 0.08 = 0.761$$

GD VF

15b. Calculate the following using a number line.

0.005 0.082

GD VF

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Varied Fluency
Subtracting Decimals Within 1

Developing
1a. 0.73, 0.53, 0.51
2a. 0.25kg
3a. 0.56, 0.61, 0.64
4a. True.
5a. Various representations possible. The difference is 0.03

Expected
6a. 0.165, 0.125, 0.119
7a. 0.5kg
8a. 0.321, 0.622, 0.238
9a. False. The difference is 0.587
10a. Various representations possible. The difference is 0.319

Greater Depth
11a. 0.079
12a. 0.375kg
13a. 0.578, 0.024, 0.007
14a. False. The difference is 0.285
15a. 0.342

Varied Fluency
Subtracting Decimals Within 1

Developing
1b. 0.34, 0.24, 0.22
2b. 0.75kg
3b. 0.74, 0.22, 0.61
4b. False. The difference is 0.14
5b. Various representations possible. The difference is 0.33

Expected
6b. 0.273, 0.193, 0.191
7b. 0.575kg
8b. 0.216, 0.605, 0.323
9b. True.
10b. Various representations possible. The difference is 0.347

Greater Depth
11b. 0.483
12b. 0.375kg
13b. 0.278, 0.685, 0.113
14b. False. The difference is 0.689
15b. 0.077

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