

Varied Fluency

Step 3: Complements to 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 adding decimals to 1 using hundredths and tenths.

Expected Questions to support adding decimals to 1 using thousandths, hundredths and tenths.

Greater Depth Questions to support adding decimals to 1 using thousandths, hundredths and tenths including partitioning and a mix of numerals and words.

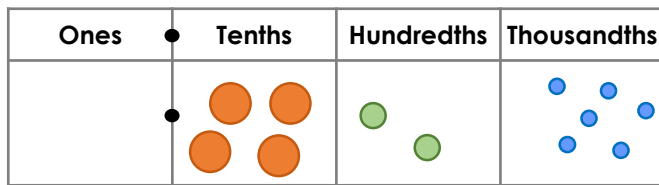
More [Year 5 Decimals](#) resources.

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

Complements to 1

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6a. Look at the place value chart.

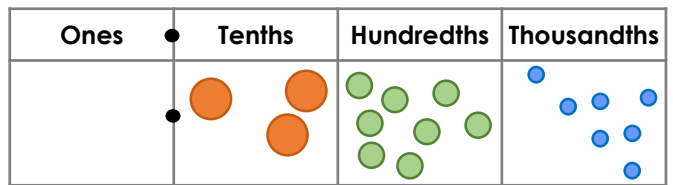


If we add 0.09 which columns would change? What would the new digits be?



VF

6b. Look at the place value chart.

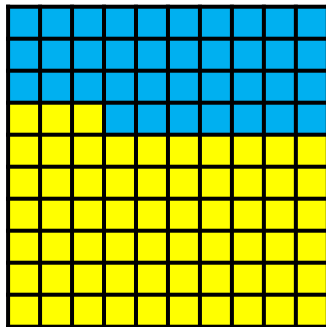


If we add 0.008 which columns would change? What would the new digits be?



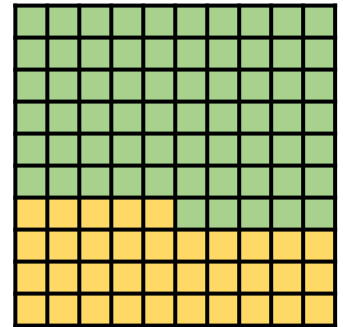
VF

7a. Use the hundred square to create a subtraction and addition calculation with decimal numbers.



VF

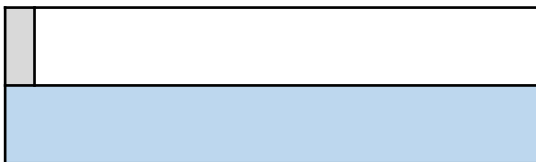
7b. Use the hundred square to create a subtraction and addition calculation with decimal numbers.



VF

8a. Use the bar models to represent and complete the following calculation:

$$0.014 + \boxed{} = 1$$



VF

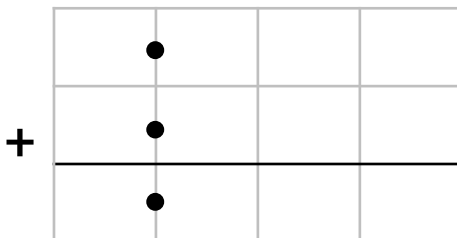
8b. Use the bar models to represent and complete the following calculation:

$$0.048 + \boxed{} = 1$$



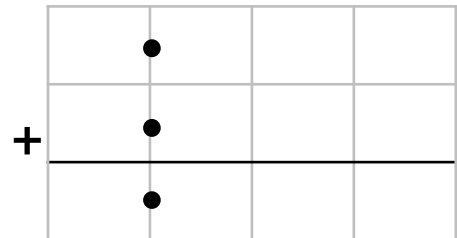
VF

9a. True or false? $0.709 + 0.391 = 1$



VF

9b. True or false? $0.357 + 0.643 = 1$



VF

10a. Fill in the blanks.

$$0.067 + \boxed{} = 1$$

$$0.284 + \boxed{} = 1$$



VF

10b. Fill in the blanks.

$$0.129 + \boxed{} = 1$$

$$0.608 + \boxed{} = 1$$



VF

Complements to 1

Complements to 1

11a. Look at the place value chart.

Ones	Tenths	Hundredths	Thousandths
			

If we add 0.099 which columns would change? What would the new digits be?



VF

11b. Look at the place value chart.

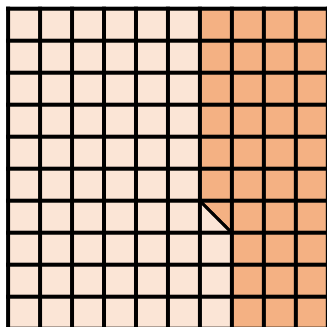
Ones	Tenths	Hundredths	Thousandths
			

If we add 0.678 which columns would change? What would the new digits be?



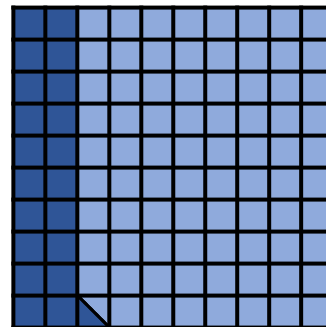
VF

12a. Use the hundred square to create a subtraction and addition calculation with decimal numbers.



VF

12b. Use the hundred square to create a subtraction and addition calculation with decimal numbers.



VF

13a. What needs to be added to the following number to make 1?

zero and eighty-six thousandths



VF

13b. What needs to be added to the following number to make 1?

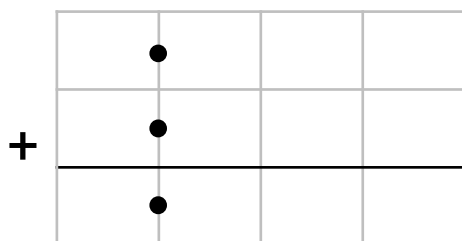
zero ones, one tenth, one hundredth and 9 thousandths



VF

14a. True or false?

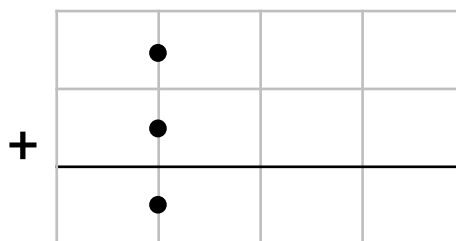
No zeros and seven tenths and seventy-nine thousandths + 0.231 = 1



VF

14b. True or false?

No zeros and one tenth and five thousandths + 0.905 = 1



VF

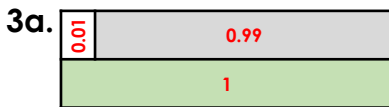
Varied Fluency Complements to 1

Developing

1a. The ones and the tenths columns would change. The new digits would be 1 in the ones and 0 in the tenths.

2a. $0.4 + 0.6 = 1$

$1 - 0.4 = 0.6$ or $1 - 0.6 = 0.4$



4a. False because $0.62 + 0.48 = 1.1$

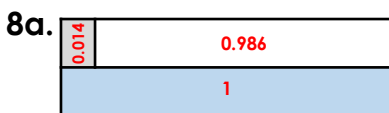
5a. 0.19 0.87

Expected

6a. The hundredths and tenths columns would change. The new digits would be 1 in the hundredths (0.01) and 5 in the tenths (0.5)

7a. $0.37 + 0.63 = 1$

$1 - 0.63 = 0.37$ or $1 - 0.37 = 0.63$



9a. False because $0.709 + 0.391 = 1.1$

10a. 0.933 0.716

Greater Depth

11a. The tenths, and the thousandths columns would change. The new digits would be no digit in the thousandths and 6 in the tenths.

12a. $0.635 + 0.365 = 1$

$1 - 0.635 = 0.365$ or $1 - 0.365 = 0.635$

13a. 0.914

14a. False because $0.779 + 0.231 = 1.01$

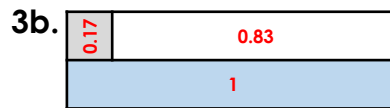
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Developing

1b. The hundredths and the tenths columns would change. The new digits would be no digit in the hundredths and 7 in the tenths.

2b. $0.2 + 0.8 = 1$

$1 - 0.2 = 0.8$ or $1 - 0.8 = 0.2$



4b. True

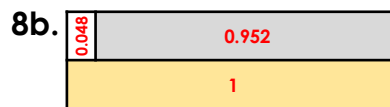
5b. 0.52 0.39

Expected

6b. The hundredths and thousandths columns would change. The new digits would be 5 in the thousandths (0.005) and 9 in the hundredths (0.09)

7b. $0.65 + 0.35 = 1$

$1 - 0.35 = 0.65$ or $1 - 0.65 = 0.35$



9b. True

10b. 0.871 0.392

Greater Depth

11b. The thousandths, hundredths, tenths and ones columns would change. The new digits would be 7 in the thousandths, 4 in the hundredths, 1 in the tenths and 1 in the ones.

12b. $0.205 + 0.795 = 1$

$1 - 0.205 = 0.795$ or $1 - 0.795 = 0.205$

13b. 0.881

14b. False because $0.105 + 0.905 = 1.01$