

Varied Fluency

Step 1: Add More Than 4-digits

National Curriculum Objectives:

Mathematics Year 5: (5C2) [Add and subtract whole numbers with more than 4 digits, including using formal written methods \(columnar addition and subtraction\)](#)

Differentiation:

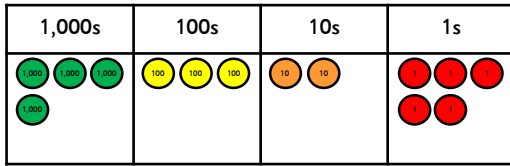
Developing Questions to support adding 4-digit numbers. Includes some exchanging.
Expected Questions to support adding 4- and 5-digit numbers. Includes exchanging.
Greater Depth Questions to support adding 5- and 6-digit numbers. Includes exchanging.

[More resources](#) which follow the same small steps as White Rose.

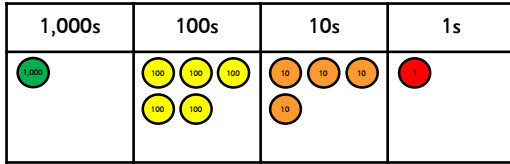
Did you like this resource? Don't forget to [review](#) it on our website.

Varied Fluency – Add More Than 4-digits

1a. Use place value counters to add the numbers below.

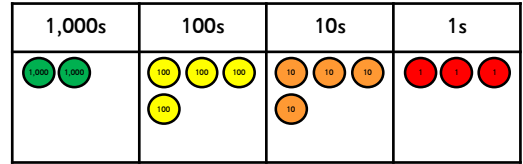
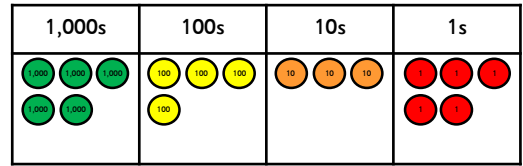


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VF

1b. Use place value counters to add the numbers below.



VF

2a. True or False?

$$5,048 + 2,351 = 7,399$$



VF

2b. True or False?

$$3,827 + 1,162 = 4,999$$



VF

3a. Using the column method, solve the number sentences below.

$$7,113 + 1,872 =$$

$$6,924 + 2,036 =$$



VF

3b. Using the column method, solve the number sentences below.

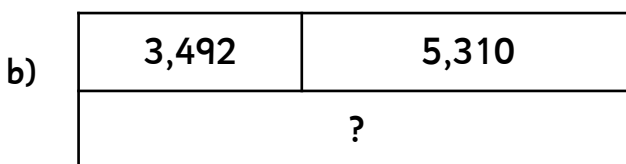
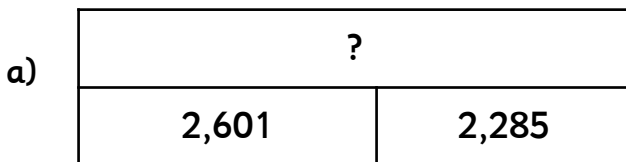
$$2,684 + 2,307 =$$

$$8,105 + 1,849 =$$



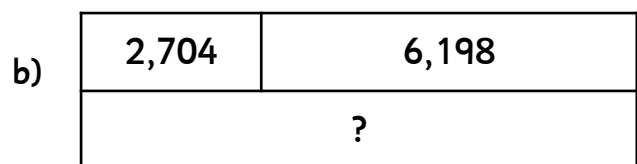
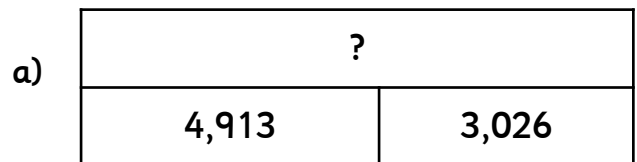
VF

4a. Complete the bar models below.



VF

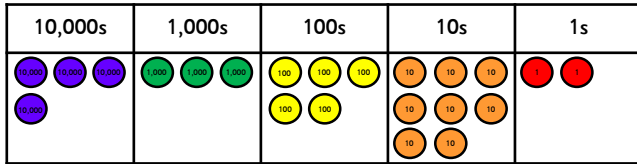
4b. Complete the bar models below.



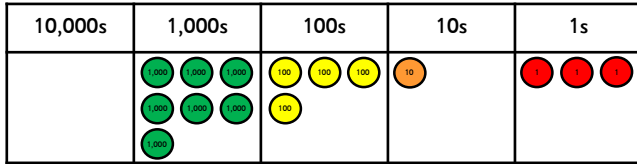
VF

Varied Fluency – Add More Than 4-digits

5a. Use place value counters to add the numbers below.

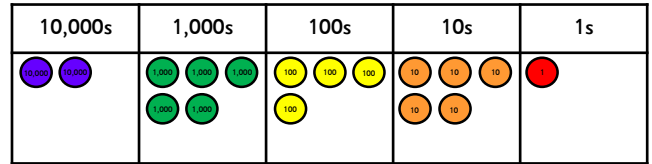


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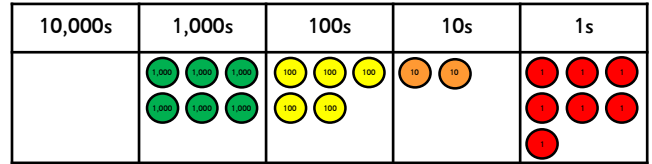


VF

5b. Use place value counters to add the numbers below.



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VF

6a. True or False?

$$65,218 + 2,703 = 68,921$$



VF

6b. True or False?

$$29,168 + 13,704 = 42,872$$



VF

7a. Using the column method, solve the number sentences below.

$$59,216 + 3,987 =$$

$$44,058 + 26,110 =$$



VF

7b. Using the column method, solve the number sentences below.

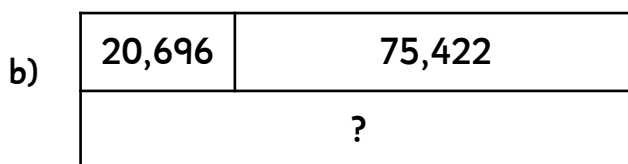
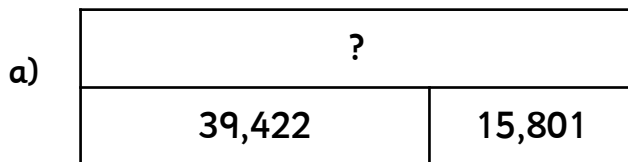
$$84,537 + 9,281 =$$

$$60,429 + 15,376 =$$



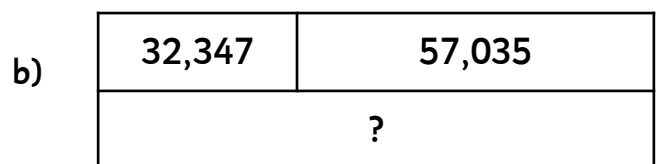
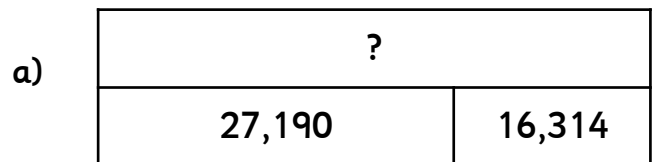
VF

8a. Complete the bar models below.



VF

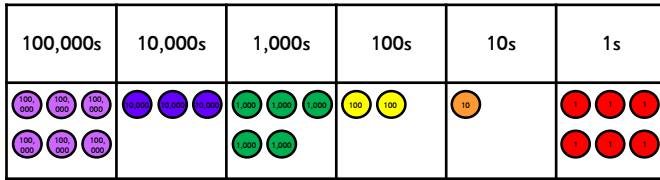
8b. Complete the bar models below.



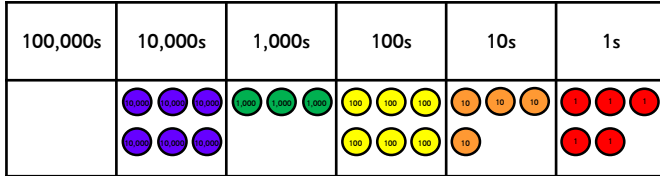
VF

Varied Fluency – Add More Than 4-digits

9a. Use place value counters to add the numbers below.

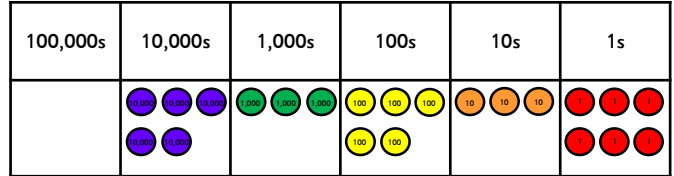
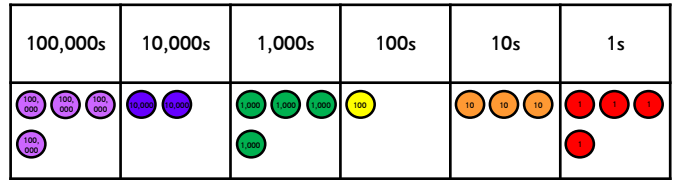


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VF

9b. Use place value counters to add the numbers below.



VF

10a. True or False?

$$326,128 + 45,907 = 372,935$$



VF

10b. True or False?

$$295,742 + 113,826 = 409,568$$



VF

11a. Using the column method, solve the number sentences below.

$$684,709 + 92,513 =$$

$$530,281 + 291,077 =$$



VF

11b. Using the column method, solve the number sentences below.

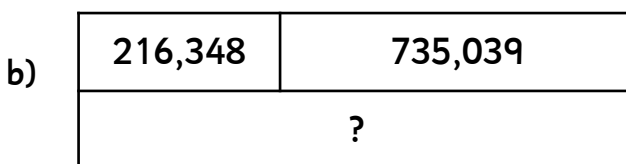
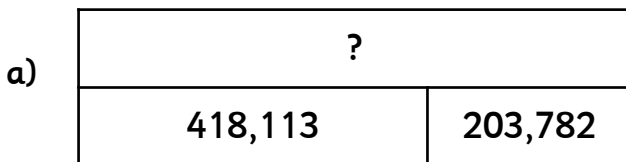
$$704,923 + 186,237 =$$

$$265,109 + 218,949 =$$



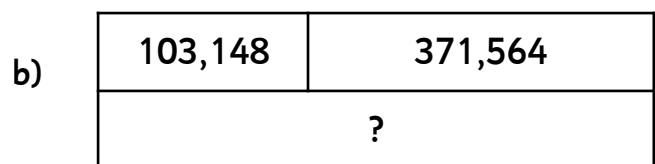
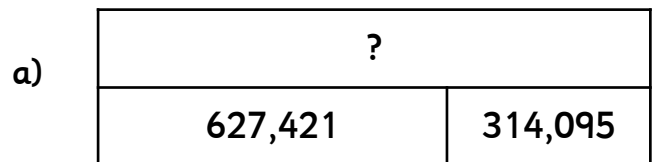
VF

12a. Complete the bar models below.



VF

12b. Complete the bar models below.



VF

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Developing

1a. $4,325 + 1,541 = 5,866$

1b. $5,435 + 2,443 = 7,878$

2a. True

2b. False, the correct answer is 4,989

3a. a) 8,985 b) 8,960

3b. a) 4,991 b) 9,954

4a. a) 4,886 b) 8,802

4b. a) 7,939 b) 8,902

Expected

5a. $43,582 + 7,413 = 50,995$

5b. $25,451 + 6,527 = 31,978$

6a. False, the correct answer is 67,921

6b. True

7a. a) 63,203 b) 70,168

7b. a) 93,818 b) 75,805

8a. a) 55,223 b) 96,118

8b. a) 43,504 b) 89,382

Greater Depth

9a. $635,216 + 63,645 = 698,861$

9b. $424,134 + 53,536 = 477,670$

10a. False, the correct answer is 372,035

10b. True

11a. a) 777,222 b) 821,358

11b. a) 891,160 b) 484,058

12a. a) 621,895 b) 951,387

12b. a) 941,516 b) 474,712