

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 with no use of zero as a place holder. Visual representations such as, place value charts and bar models are used.

Expected Questions to support adding 4 and 5-digit numbers. Includes exchanging with some use of zero as a place holder. Uses mostly column format with some linear presentation.

Greater Depth Questions to support adding up to three 4 and 5-digit numbers. Includes exchanging with the use of zero as a place holder. Uses mostly linear presentation with some column format. Also includes some examples of unconventional partitioning.

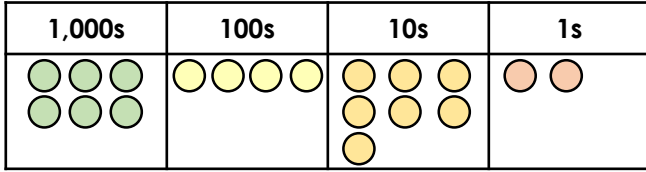
More [Year 5 and Year 6 Addition and Subtraction](#) resources.

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

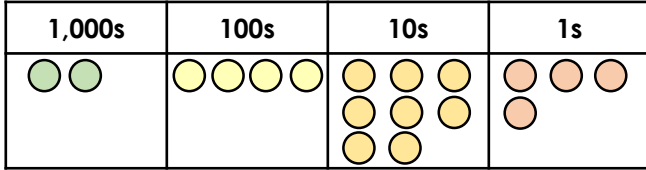
Add More Than 4-Digits

Add More Than 4-Digits

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

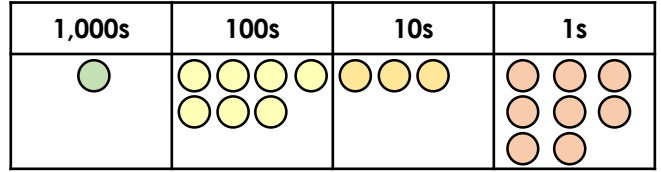


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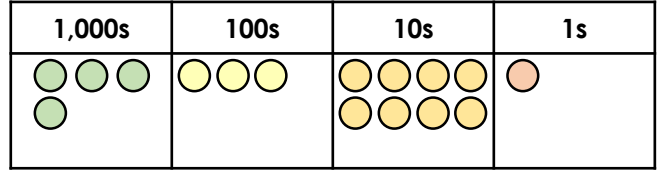


5 VF

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



+



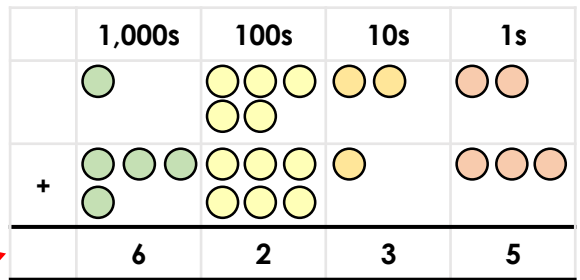
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2a. True or false?



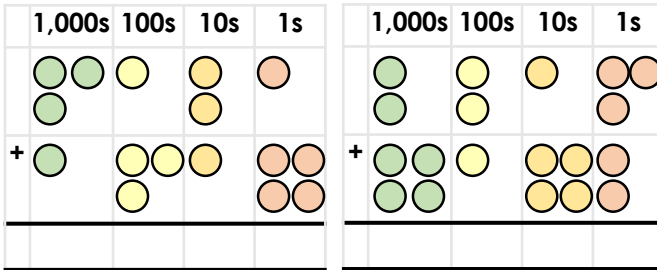
5 VF

2b. True or false?



5 VF

3a. Solve the addition calculations below.

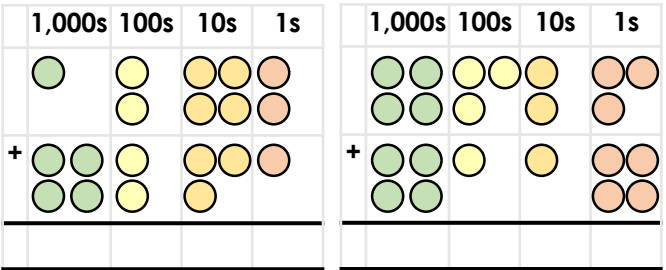


i)

ii)

5 VF

3b. Solve the addition calculations below.

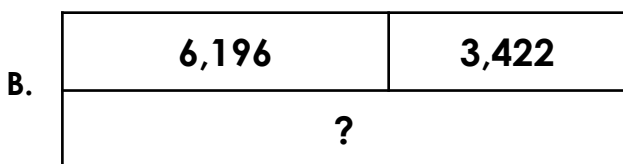
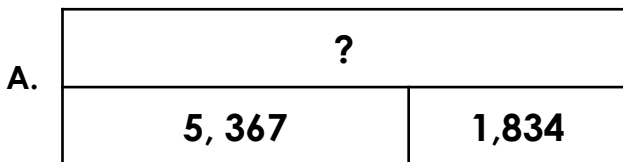


i)

ii)

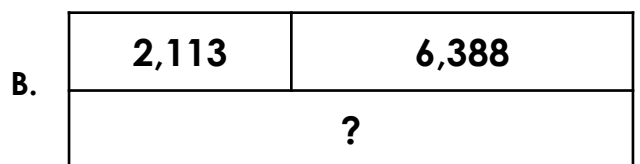
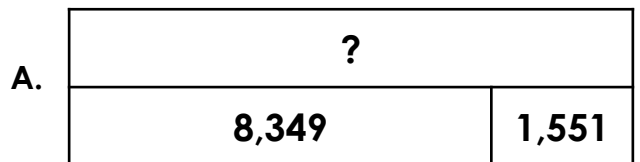
5 VF

4a. Complete the bar models below.



5 VF

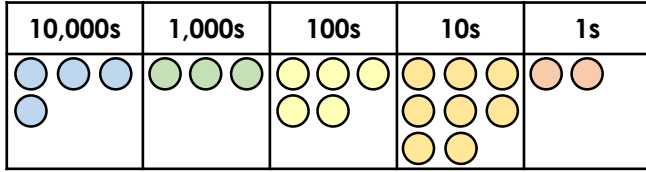
4b. Complete the bar models below.



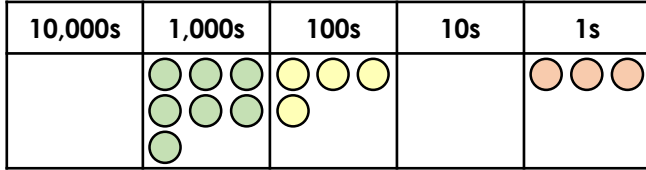
5 VF

Add More Than 4-Digits

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



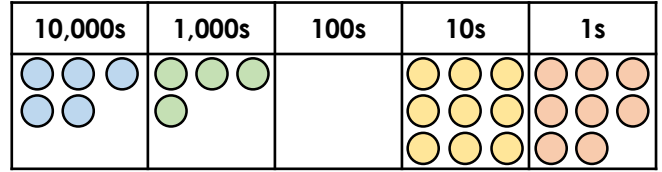
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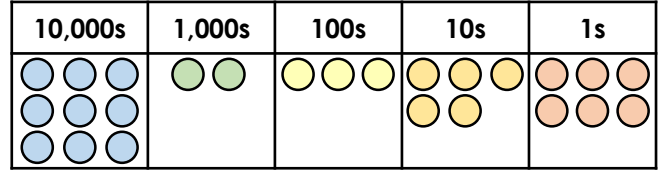
5 VF

Add More Than 4-Digits

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



+



5 VF

6a. True or false?

	6	5	2	1	8
		2	7	0	3
+	3	0	1	9	2
<hr/>					
	8	8	1	1	3
<hr/>					
		1	1	1	



5 VF

6b. True or false?

		3	7	4	9
	5	1	5	7	7
+	2	7	3	0	3
<hr/>					
	8	2	6	2	9
<hr/>					
	1	1	1	1	



5 VF

7a. Solve the addition calculations below.

i) $44,058 + 13,239 =$ _____

ii)

	5	9	0	6	1
		4	5	5	3
+		3	9	8	7
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5 VF

7b. Solve the addition calculations below.

i) $83,291 + 1,290 + 11,821 =$ _____

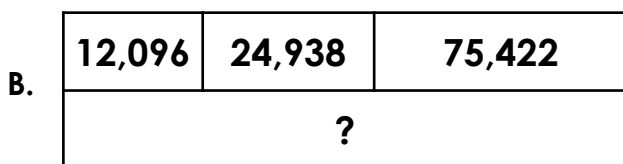
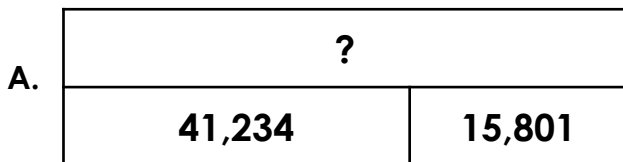
ii)

	2	9	1	6	8
+	1	3	7	0	4
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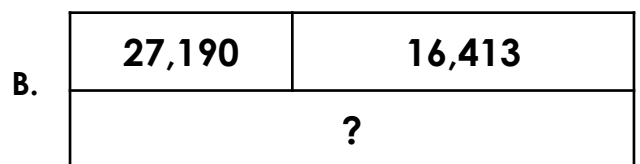
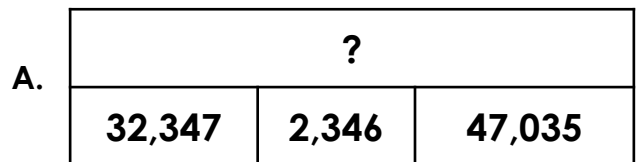
5 VF

8a. Complete the bar models below.



5 VF

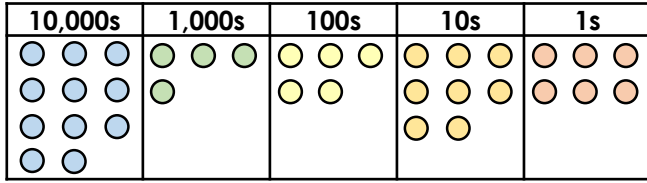
8b. Complete the bar models below.



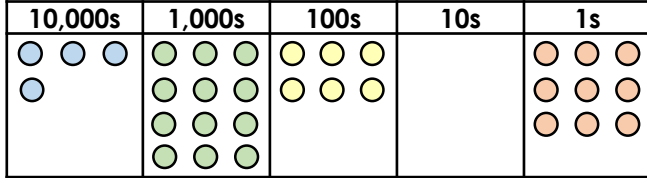
5 VF

Add More Than 4-Digits

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



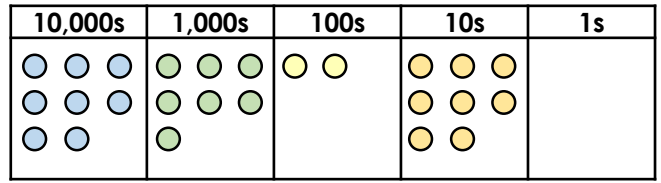
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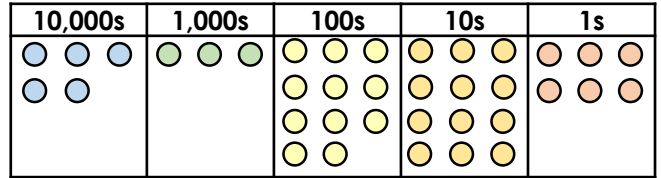
5 VF

Add More Than 4-Digits

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



+



5 VF

10a. True or false?

$$59,276 + 8,095 + 67,488 = 136,859$$



5 VF

10b. True or false?

$$7,738 + 90,843 + 54,137 = 152,918$$



5 VF

11a. Solve the additions shown below.

i) $8,008 + 41,299 = \underline{\hspace{2cm}}$

ii)

	6	9	0	8	4
+		7	9	8	7
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5 VF

11b. Solve the additions shown below.

i) $36,783 + 4,035 + 16,808 = \underline{\hspace{2cm}}$

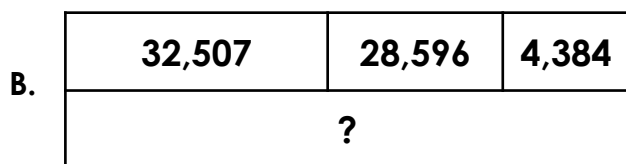
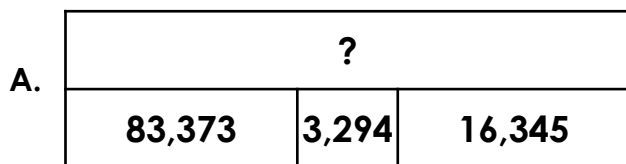
ii)

	7	9	9	7	9
+	5	0	8	7	8
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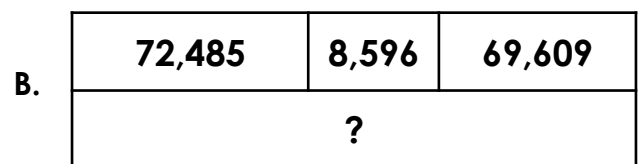
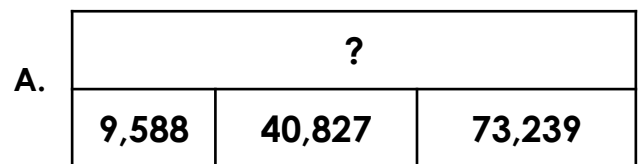
5 VF

12a. Complete the bar models below.



5 VF

12b. Complete the bar models below.



5 VF

Varied Fluency
Add More Than 4-Digits

Developing

1a. $6,472 + 2,484 = 8,956$

2a. True

3a. i) $4,435$ ii) $6,355$

4a. A = $7,201$ B = $9,618$

Expected

5a. $43,582 + 7,403 = 50,985$

6a. False as $65,218 + 2,703 + 30,192 = 98,113$.

7a. i) $57,297$ ii) $67,601$

8a. A = $57,035$ B = $112,456$

Greater Depth

9a. $114,586 + 52,609 = 167,195$

10a. False as $59,276 + 8,095 + 67,488 = 134,859$.

11a. i) $49,307$ ii) $77,071$

12a. A = $103,012$ B = $65,487$

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Developing

1b. $1,738 + 4,381 = 6,119$

2b. False as $1,522 + 4,613 = 6,135$.

3b. i) $5,473$ ii) $8,437$

4b. A = $9,900$ B = $8,501$

Expected

5b. $54,098 + 92,356 = 146,454$

6b. True

7b. i) $96,402$ ii) $42,872$

8b. A = $81,728$ B = $43,603$

Greater Depth

9b. $87,280 + 54,226 = 141,506$

10b. False as $7,738 + 90,843 + 54,137 = 152,718$.

11b. i) $57,626$ ii) $130,857$

12b. A = $123,654$ B = $150,690$