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 and 5-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 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.

10,000s	1,000s	100s	10s	1s
●●	●●● ●●●	●●● ●	●●● ●●● ●	●●

+

10,000s	1,000s	100s	10s	1s
●	●●	●●● ●	●●● ●●● ●	●●● ●

D VF

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

10,000s	1,000s	100s	10s	1s
●●●	●	●●● ●●● ●	●●●	●●● ●●●

+

10,000s	1,000s	100s	10s	1s
●●	●● ●●	●●●	●●● ●●● ●	●

D VF

2a. True or false?

	10,000s	1,000s	100s	10s	1s
	●● ●●	●●● ●●	●●	●●	●●● ●●●
+	●	●●●	●	●●●	●
	5	8	3	5	7

D VF

2b. True or false?

	10,000s	1,000s	100s	10s	1s
	●●	●	●●● ●●	●●	●●
+	●● ●	●●● ●	●●● ●●●	●	●●●
	5	6	2	3	5

D VF

3a. Complete the bar models below.

A.

?	
7,363	4,434

B.

6,136	5,722
?	

D VF

3b. Complete the bar models below.

A.

?	
9,644	3,352

B.

4,111	8,368
?	

D VF

4a. Solve the addition calculations below.

i)

	10,000s	1,000s	100s	10s	1s
	●● ●	●● ●	●	● ●	●
+	●● ●	●	●●	●	●●

ii)

	10,000s	1,000s	100s	10s	1s
	●● ●	● ●	● ●	●	●●
+	●● ●●	● ●	●	●●	●

D VF

4b. Solve the addition calculations below.

i)

	10,000s	1,000s	100s	10s	1s
	●● ●	●	● ●	●● ●	● ●
+	●●	●● ●	● ●	●●	●

ii)

	10,000s	1,000s	100s	10s	1s
	●●	●● ●●	●● ●	●	●● ●
+	●●	●● ●●	●	● ●	●●

D VF

Add More Than 4-Digits

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

10,000s	1,000s	100s	10s	1s
●●● ●●	●●●	●●● ●●	●●● ●●● ●●●	●●

+

10,000s	1,000s	100s	10s	1s
	●●● ●●● ●	●●● ●		●●●

E VF

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

10,000s	1,000s	100s	10s	1s
●●● ●●	●●● ●		●●● ●●● ●●●	●●● ●●●

+

10,000s	1,000s	100s	10s	1s
●●● ●●●	●●	●●●	●●● ●●	●●●

E VF

6a. True or false?

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

E VF

6b. True or false?

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

E VF

7a. Complete the bar models below.

A.

?	
41,234	15,801

B.

12,096	24,938	75,422
?		

E VF

7b. Complete the bar models below.

A.

?		
32,347	2,346	47,035

B.

27,190	16,413
?	

E VF

8a. Solve the addition calculations below.

i) 44,058 + 13,239 = _____

ii)

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

E VF

8b. Solve the addition calculations below.

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

ii)

	2	9	1	6	8
+	1	3	7	0	4

E VF

Add More Than 4-Digits

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

10,000s	1,000s	100s	10s	1s
●●● ●●● ●●	●●● ●	●●	●●● ●●● ●●	●●● ●●●

+

10,000s	1,000s	100s	10s	1s
●●● ●	●●● ●●● ●●●	●●● ●●●		●●● ●●● ●●●

GD VF

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

10,000s	1,000s	100s	10s	1s
●●● ●●● ●●	●●● ●●● ●	●●	●●● ●●● ●●	

+

10,000s	1,000s	100s	10s	1s
●●● ●●	●●●	●●● ●●● ●●● ●●	●●● ●●● ●●●	●●● ●●●

GD VF

10a. True or false?

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

GD VF

10b. True or false?

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

GD VF

11a. Complete the bar models below.

A.

?		
83,373	3,294	16,345

B.

32,507	28,596	4,384
?		

GD VF

11b. Complete the bar models below.

A.

?		
9,588	40,827	73,239

B.

72,485	8,596	69,609
?		

GD VF

12a. Solve the addition calculations below.

i) 8,008 + 41,299 = _____

ii)

	6	9	0	8	4
+		7	9	8	7

GD VF

12b. Solve the addition calculations below.

i) 36,783 + 4,035 + 16,808 = _____

ii)

	7	9	9	7	9
+	5	0	8	7	8

GD VF

Varied Fluency
Add More Than 4-Digits

Developing

1a. 26,472 + 12,484 = 38,956
2a. True
3a. A = 11,797 B = 11,858
4a. i) 64,435 ii) 76,355

Expected

5a. 43,582 + 7,403 = 50,985
6a. False as 65,218 + 2,703 + 30,192 = 98,113.
7a. A = 57,035 B = 112,456
8a. i) 57,297 ii) 67,601

Greater Depth

9a. 114,586 + 52,609 = 167,195
10a. False as 59,276 + 8,095 + 67,488 = 134,859.
11a. A = 103,012 B = 65,487
12a. i) 49,307 ii) 77,071

Varied Fluency
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Developing

1b. 31,738 + 24,381 = 56,119
2b. False as 21,522 + 34,613 = 56,135.
3b. A = 12,996 B = 12,479
4b. i) 55,473 ii) 48,437

Expected

5b. 54,098 + 92,356 = 146,454
6b. True
7b. A = 81,728 B = 43,603
8b. i) 96,402 ii) 42,872

Greater Depth

9b. 87,280 + 54,226 = 141,506
10b. False as 7,738 + 90,843 + 54,137 = 152,718.
11b. A = 123,654 B = 150,690
12b. i) 57,626 ii) 130,857