Homework/Extension
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:

Questions 1, 4 and 7 (Varied Fluency)
Developing Match two addition calculations to their answers. Questions involve adding two 5-digit numbers only and are presented using pictorial representations. Includes some exchanging, no use of zero as a place holder and uses numerals only.
Expected Match three addition calculations to their answers. Questions involve adding up to 5-digit numbers and are presented in a columnar format. Includes exchanging with some use of zero as a place holder and uses numerals only.
Greater Depth Match three addition calculations to their answers. Questions involve adding up to 5-digit numbers and are presented in a linear format. Includes multiple exchanges, the use of zero as a place holder, numerals and words. Some examples of unconventional partitioning are used.

Questions 2, 5 and 8 (Varied Fluency)
Developing Calculate the sum of two 5-digit numbers when supported with pictorial representations. Includes some exchanging, no use of zero as a place holder and uses numerals only.
Expected Calculate the sum of two 5-digit numbers presented in a columnar format. Includes exchanging with some use of zero as a place holder and uses numerals only.
Greater Depth Calculate the sum of two 5-digit numbers. Includes multiple exchanges, the use of zero as a place holder, numerals and words. Some examples of unconventional partitioning are used.

Questions 3, 6 and 9 (Problem Solving)
Developing Explain which representation is the odd one out. Question involves adding 5-digit numbers which are presented using pictorial representations. Includes some exchanging, no use of zero as a place holder and numerals only.
Expected Identify a pattern between the answers to each addition calculation when adding up to 5-digit numbers. Includes exchanging with some use of zero as a place holder and uses numerals only.
Greater Depth Identify a pattern when adding up to 5-digit numbers which are presented in a linear format. Includes multiple exchanges, the use of zero as a place holder, numerals and words. Some examples of unconventional partitioning are used.

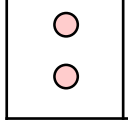
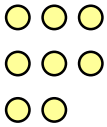
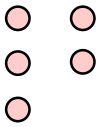
More Year 5 Addition and Subtraction resources.

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

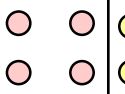
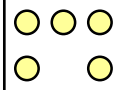
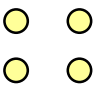
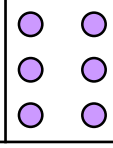
Add More Than 4-Digits

1. Match the correct answers to the additions shown below.

A.

T Th	Th	H	T	O
				
				

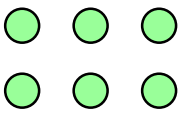
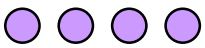
B.

T Th	Th	H	T	O
				
				

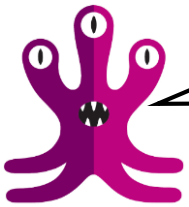
79,557 | 79,458 | 78,557 | 79,854

VF
HW/Ext

2. Gilina has gathered the following counters.

T Th	Th	H	T	O
				

Gilina says,

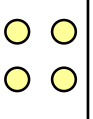
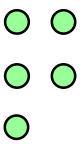
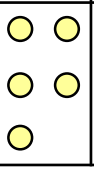


If I add 15,283 to the number shown in the place value chart above, what number will I make?

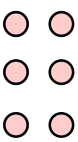
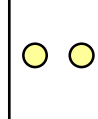
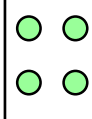
VF
HW/Ext

3. Solve the answers to each of these additions.

A.

T Th	Th	H	T	O
				
				

B.

T Th	Th	H	T	O
				

C.

Which representation is the odd one out? Explain why.

RPS
HW/Ext

Add More Than 4-Digits

4. Match the correct answers to the additions shown below.

A.

	3	1	1	3	4
		2	5	6	3
+	2	3	2	0	6

B.

	4	7	5	4	0
+		9	3	6	7

C.

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

56,903 **54,466** **54,646** **56,907**

E

VF
HW/Ext

5. Makkan is thinking of this 5-digit number.

37,968

Makkan says,

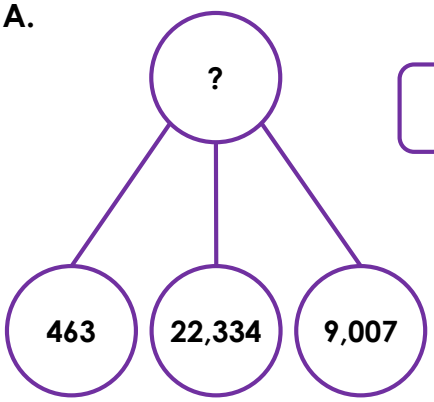
If I add 42,041 to this number, what number will I make?

E

VF
HW/Ext

6. Solve the answers to each of these additions.

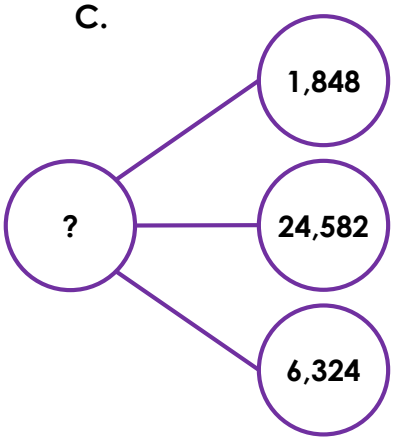
A.



B.

12,063 + 29,231 = ?

C.



What do you notice about the answers?

E

RPS
HW/Ext

Add More Than 4-Digits

7. Match the correct answers to the additions shown below.

A. 73,046 + 5,187 =

B. 69,343 + 7,107 =

C. 8,064 + 59,886 + 4,867 =

1. 70 thousands, 25 hundreds and 317 ones

2. 76 thousands, 2 hundreds, 18 tens and 70 ones

3. 92 thousands, 160 hundreds, 24 tens and 45 ones

4. 76 thousands, 22 hundreds and 33 ones

GD

VF
HW/Ext

8. Jubal is thinking of this 5-digit number.

**fourteen thousands,
twelve hundreds, 6 tens and 14 ones**

Jubal says,

If I add 84,327 to this number, what number will I make?

GD

VF
HW/Ext

9. Solve the answers to each of these additions.

A. 69 thousands, 35 hundreds, 89 tens and six ones + 4,092 + 38,594 = ?

B. 18,074 + thirty thousands, 72 hundreds, 18 tens and 25 ones + 59,603 = ?

C. 24,823 + 89,259 = ?

What do you notice about the answers?

GD

RPS
HW/Ext

Homework/Extension
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Developing

1. A = 79,557 and B = 79,458
2. 23,614 + 15,283 = 38,897
3. B is the odd one out because it equals 88,599 whereas A and C both total 59,685.

Expected

4. A = 56,903; B = 56,907 and C = 54,646
5. 37,968 + 42,041 = 80,009
6. Various answers, for example: each answer has four in the ones column (A = 31,804, B = 41,294 and C = 32,754).

Greater Depth

7. A = 4 (78,233); B = 2 (76,450) and C = 1 (72,817)
8. 84,327 + 15,274 = 99,601
9. Various answers, for example: all three answers decrease by 1,000 each time (A = 116,082, B = 115,082 and C = 114,082).