Varied Fluency Step 6: Partitioning

National Curriculum Objectives:

Mathematics Year 4: (4N4a) <u>Identify, represent and estimate numbers using different</u> representations Mathematics Year 4: (4N6) <u>Solve number and practical problems that involve 4N1 - 4N5</u> and with increasingly large positive numbers

Differentiation:

Developing Questions to support exploring how numbers can be partitioned. Using 4-digit numbers and a variety of pictorial representations where each number has been partitioned once. Some use of unconventional partitioning.

Expected Questions to support exploring how numbers can be partitioned. Using 4-digit numbers and a variety of pictorial representations with some instances of multiple examples of unconventional partitioning within a number.

Greater Depth Questions to support exploring how numbers can be partitioned. Using 4digit numbers and some pictorial representations including multiple examples of unconventional partitioning within a number where the parts are not given in place value order.

More <u>Year 4 Place Value</u> resources.

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Varied Fluency – Partitioning – Teaching Information



Varied Fluency – Partitioning – Year 4 Developing

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Varied Fluency – Partitioning – Year 4 Expected



Varied Fluency – Partitioning – Year 4 Greater Depth

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Developing

1a. i) 2,000 ii) 100 2a. True 3a. A 4a. Hugo

Expected

5a. i) 3,000 and ii) 2,100 6a. False; it shows 2,473. 7a. A 8a. Jordan

Greater Depth

9a. i) Various answers, for example:
A = 3,000 and B = 33;
A = 2,900 and B = 133
ii) Various answers, for example:
A = 1,400 and B = 5,000;
A = 400 and B = 6,000
10a. True
11a. Various answers, for example:



12a. 2,250

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Developing 1b. i) 200 and ii) 6,000 2b. False; it shows 3,629. 3b. B 4b. Ben

Expected 5b. i) 4,000 and ii) 110 6b. True 7b. A and B are both correct. 8b. Tallulah

Greater Depth 9b. i) Various answers, for example: A = 2,600 and B = 280; A = 2,000 and B = 880 ii) Various answers, for example: A = 530 and B = 4,000; A = 1,530 and B = 3,000 10b. False; it shows 3,350





5,297		
4,000	107	1,190

12b. 7,894



Varied Fluency – Partitioning ANSWERS