# 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 4-digit 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 Year 4 Place Value resources.

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

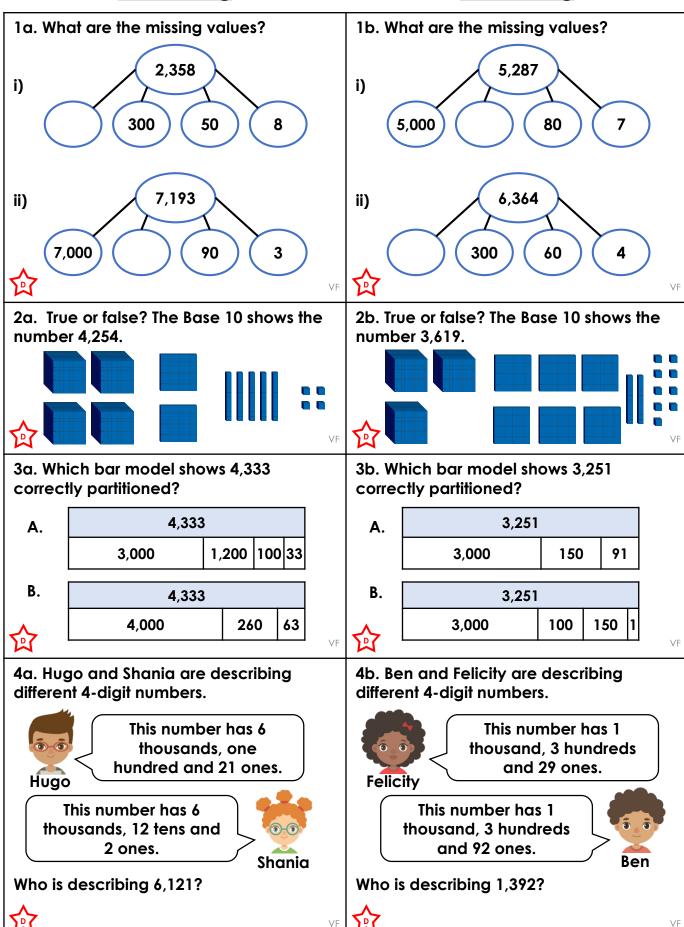


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Varied Fluency – Partitioning – Teaching Information

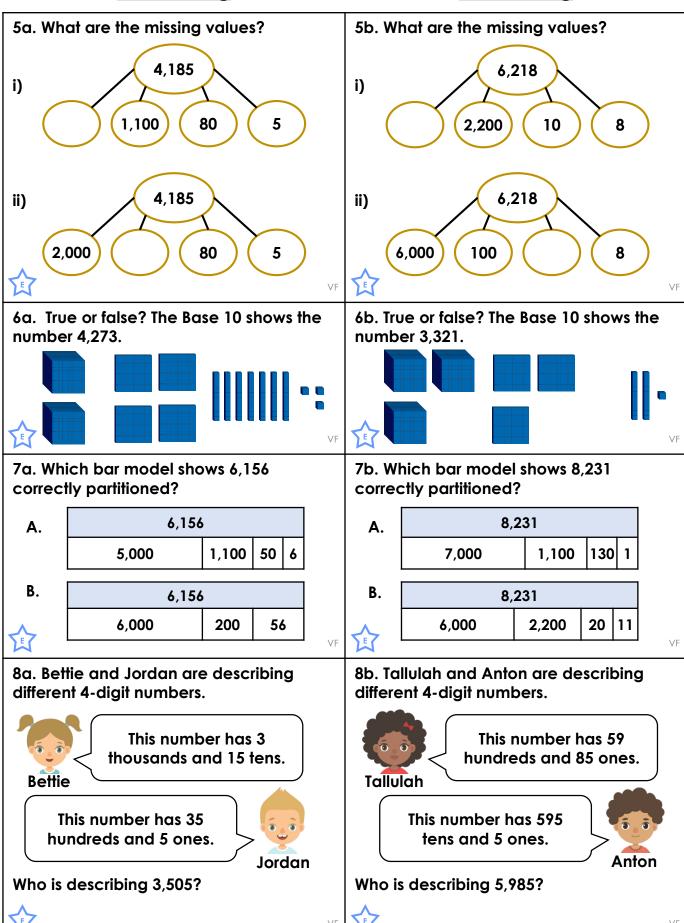
## **Partitioning**

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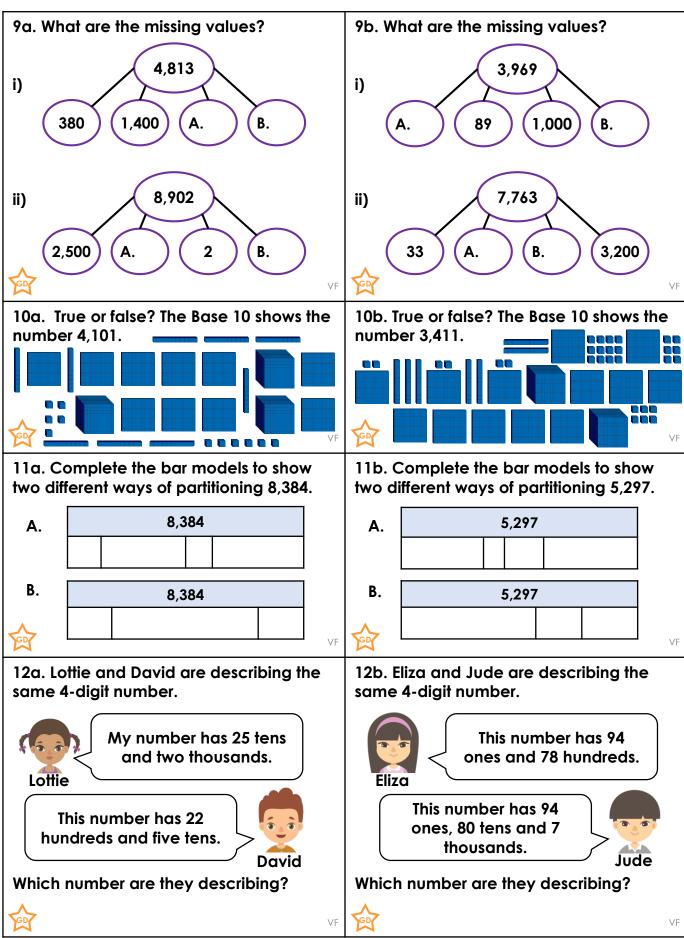
## **Partitioning**

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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:

8,384					
260	4,000	24	4,100		

8,384				
94	8,200	90		

12a, 2,250

#### **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

11b. Various answers, for example:

5,297						
2,100	17	180	3,000			

5,297						
4,000	107	1,190				

12b. 7,894