

Varied Fluency – Partitioning Numbers

National Curriculum Objectives:

Mathematics Year 1: (1N4) [Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than \(fewer\), most and least](#)

Differentiation:

Developing Questions to support the understanding of place value using visual representations of numbers less than 50.

Expected Questions to support the understanding of place value using visual representations of numbers less than 100.





Greater Depth Questions to support the understanding of place value using mixed visual representations of numbers (some greater than 100.)

More [Year 1 Place Value](#) resources.

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

Varied Fluency – Partitioning Numbers





1a. True or false?

Tens	Ones		True or false?
		= 14	
		= 32	



VF

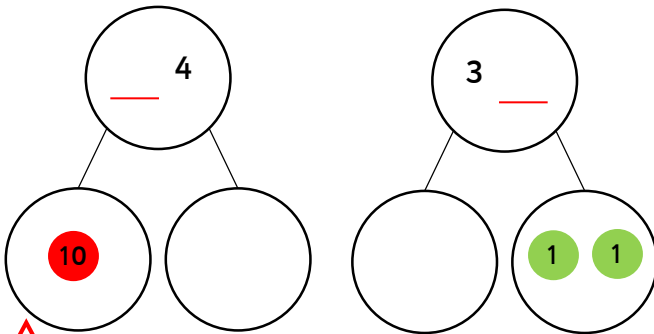
1b. True or false?

Tens	Ones		True or false?
		= 25	
		= 17	



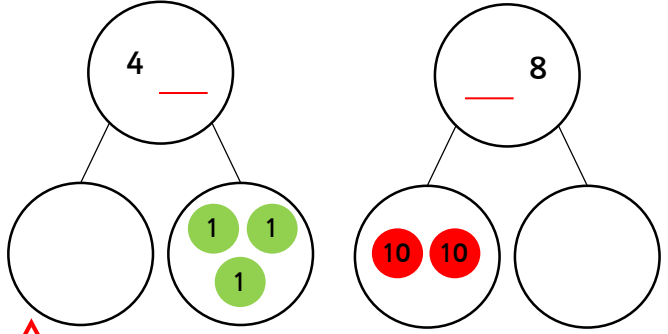
VF

2a. Complete these Part-Whole models.



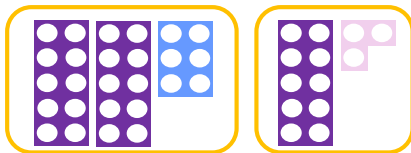
VF

2b. Complete these Part-Whole models.



VF

3a. Match a diagram to a number.

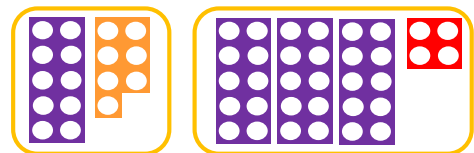


13	35	26	45
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VF

3b. Match a diagram to a number.



17	25	34	42
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VF

4a. Complete the sentences.

12 has ten and ones.

has 2 tens and 5 ones.

28 has tens and ones.

has 3 tens and 6 ones.



VF

4b. Complete the sentences.

23 has tens and ones.

has 1 ten and 7 ones.

39 has tens and ones.

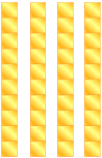

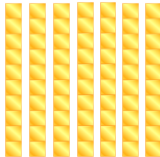

has 2 tens and 8 ones.



VF

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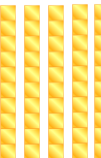

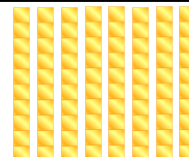

5a. True or false?

Tens	Ones		True or false?
		= 33	
		= 76	



VF

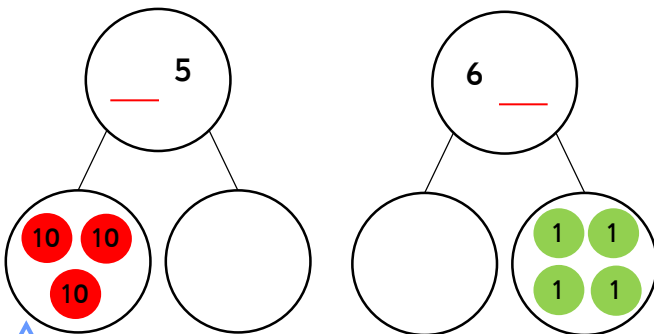
5b. True or false?

Tens	Ones		True or false?
		= 54	
		= 89	



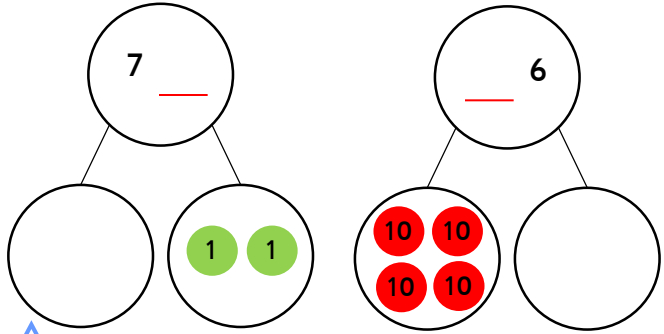
VF

6a. Complete these Part-Whole models.



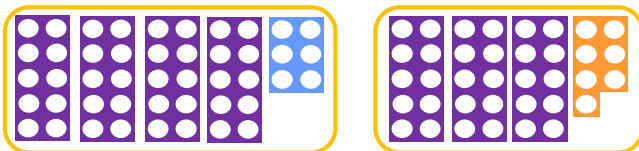
VF

6b. Complete these Part-Whole models.



VF

7a. Match a diagram to a number.

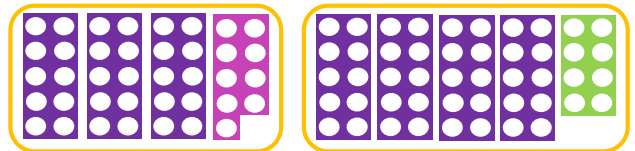


64	37	44	46
----	----	----	----



VF

7b. Match a diagram to a number.



54	48	39	72
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VF

8a. Complete the sentences.

37 has tens and ones.

has 5 tens and 7 ones.

84 has tens and ones.

has 6 tens and 8 ones.



VF

8b. Complete the sentences.

54 has tens and ones.

has 8 tens and 5 ones.

63 has tens and ones.

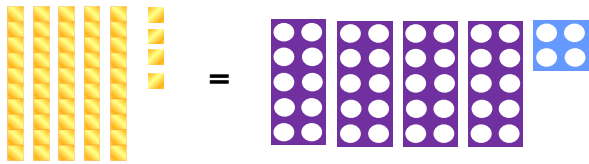
has 9 tens and 2 ones.



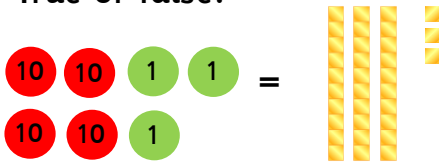
VF

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9a. True or false?

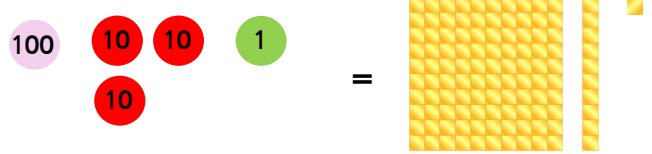


True or false?

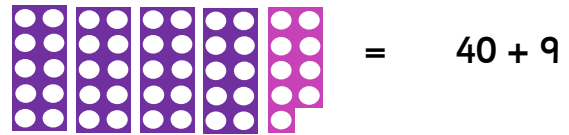


VF

9b. True or false?

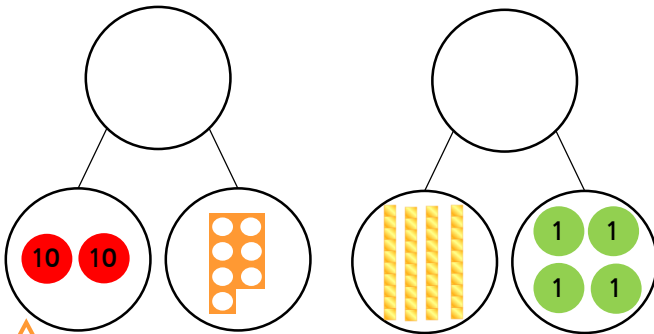


True or false?



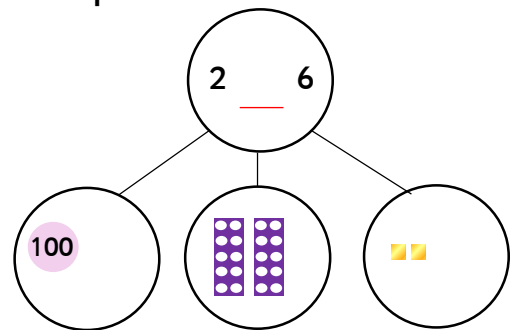
VF

10a. Complete these models.



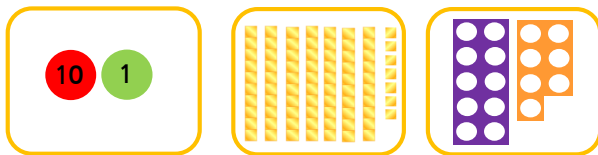
VF

10b. Complete this model.



VF

11a. Match a diagram to a number.

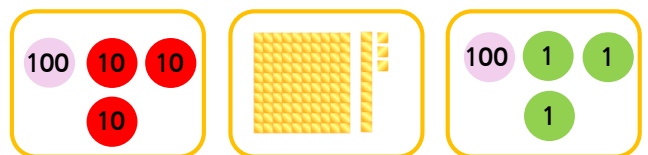


77 17 71 11



VF

11b. Match a diagram to a number.



103 130 113 131



VF

12a. Complete the sentences.

126 has hundred tens and ones.
 has 1 hundred 3 tens and 5 ones.
 114 has hundred tens and ones.
 has 1 hundred 2 tens and 3 ones.



VF

12b. Complete the sentences.

131 has hundred tens and one.
 has 2 hundreds 1 ten and 3 ones.
 234 has hundreds tens and ones.
 has 1 hundred 0 tens and 3 ones.



VF

Varied Fluency – Partitioning Numbers

Developing

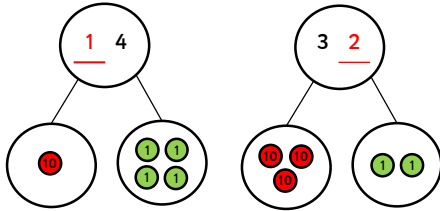
1a. **False.** The diagram shows the number 24.

True.

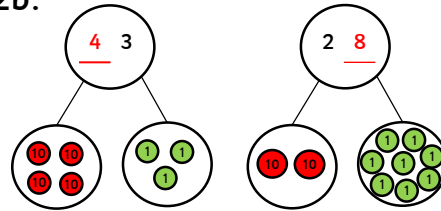
1b. **True.**

False. The diagram shows the number 15.

2a.



2b.



3a. **The first diagram matches 26 and the second diagram matches 13.**

3b. **The first diagram matches 17 and the second diagram matches 34.**

4a.

12 has 1 ten and 2 ones.
25 has 2 tens and 5 ones.
28 has 2 tens and 8 ones.
36 has 3 tens and 6 ones.

4b.

23 has 2 tens and 3 ones.
17 has 1 ten and 7 ones.
39 has 3 tens and 9 ones.
28 has 2 tens and 8 ones.

Expected

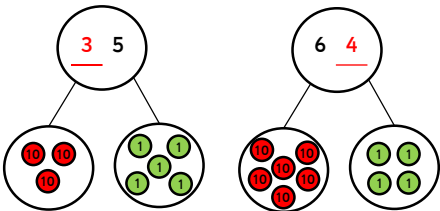
5a. **False.** The diagram shows the number 43.

True.

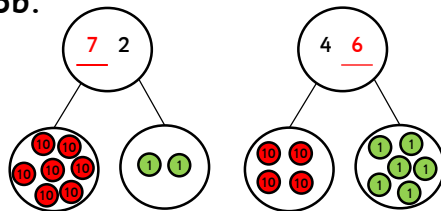
5b. **True.**

False. The diagram shows the number 88.

6a.



6b.



7a. **The first diagram matches 46 and the second diagram matches 37.**

7b. **The first diagram matches 39 and the second diagram matches 48.**

8a.

37 has 3 tens and 7 ones.
57 has 5 tens and 7 ones.
84 has 8 tens and 4 ones.
68 has 6 tens and 8 ones.

8b.

54 has 5 tens and 4 ones.
85 has 8 tens and 5 ones.
63 has 6 tens and 3 ones.
92 has 9 tens and 2 ones.

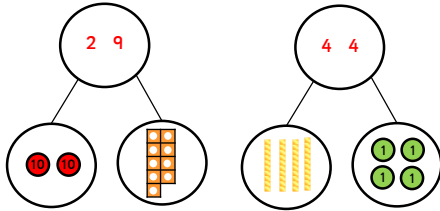
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Greater Depth

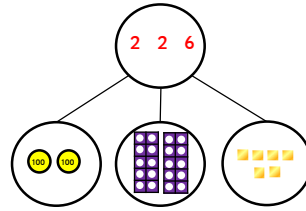
9a. **False.** The Base 10 blocks show 54, whereas the Numicon shows 44.
True.

9b. **False.** The Place Value counters show 131, whereas the Base 10 blocks show 111.
True.

10a.



10b.



11a. **The first diagram matches 11, the second diagram matches 77 and the third diagram matches 17.**

11b. **The first diagram matches 130, the second diagram matches 113 and the third diagram matches 103.**

12a.

126 has 1 hundred 2 tens and 6 ones.

135 has 1 hundred 3 tens and 5 ones.

114 has 1 hundred 1 tens and 4 ones.

123 has 1 hundred 2 tens and 3 ones.

12b.

131 has 1 hundred 3 tens and 1 ones.

213 has 2 hundreds 1 ten and 3 ones.

234 has 2 hundreds 3 tens and 4 ones.

103 has 1 hundred 0 tens and 3 ones.