

# Varied Fluency

## Step 1: Part Whole Model

### National Curriculum Objectives:

Mathematics Year 1: (1C1) [Represent and use number bonds and related subtraction facts within 20](#)

Mathematics Year 1: (1C2b) [Read, write and interpret mathematical statements involving addition \(+\), subtraction \(-\) and equals \(=\) signs](#)

### Differentiation:

**Developing** Questions to support using a part whole model to show numerals up to 5 can be partitioned into two groups based on simple characteristics.

**Expected** Questions to support using a part whole model to show numerals up to 10 can be partitioned into two/three groups , including zero.

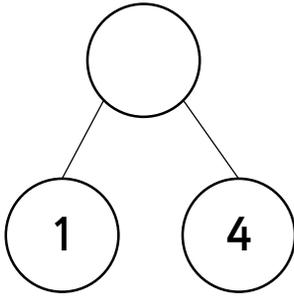
**Greater Depth** Questions to support using a part whole model to show numerals up to 20 can be partitioned into two/three groups, including zero.

More [Year 1 Addition and Subtraction](#) resources.

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

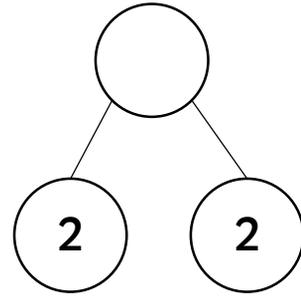
# Varied Fluency – Part Whole Model

1a. Fill in the missing whole number.



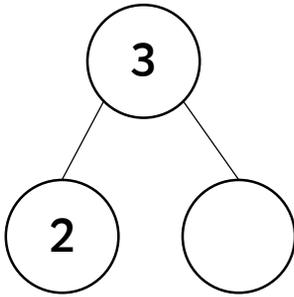
VF

1b. Fill in the missing whole number.



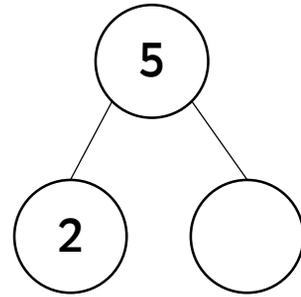
VF

2a. Fill in the missing part.



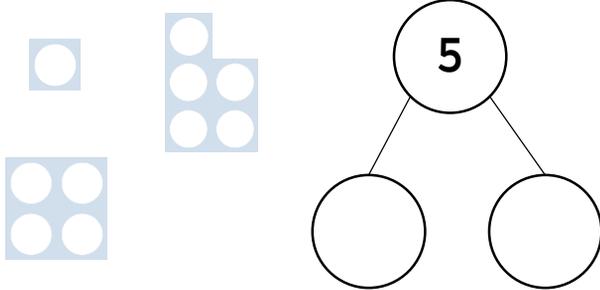
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2b. Fill in the missing part.



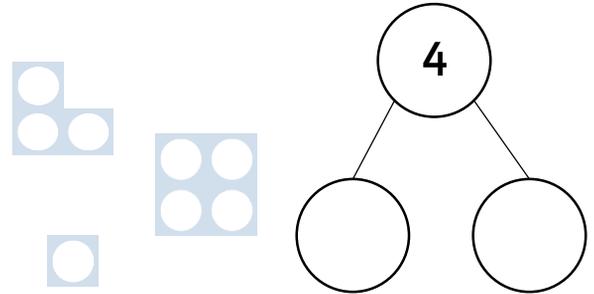
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3a. Use the numicon to fill in the missing parts on the part whole model.



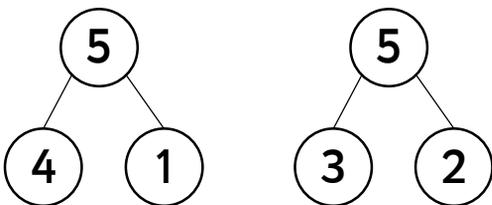
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3b. Use the numicon to fill in the missing parts on the part whole model.



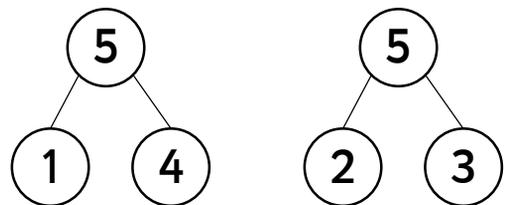
VF

4a. Circle the part whole model which shows  $3 + 2 = 5$ .



VF

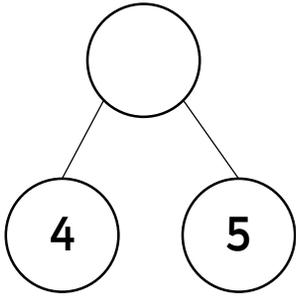
4b. Circle the part whole model which shows  $1 + 4 = 5$ .



VF

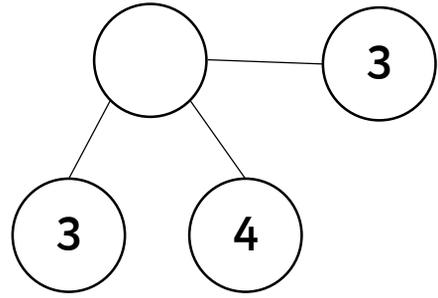
# Varied Fluency – Part Whole Model

5a. Fill in the missing whole number.



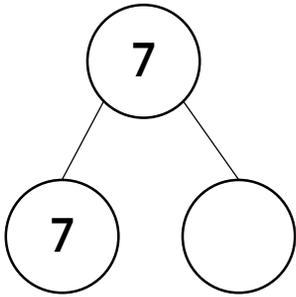
VF

5b. Fill in the missing whole number.



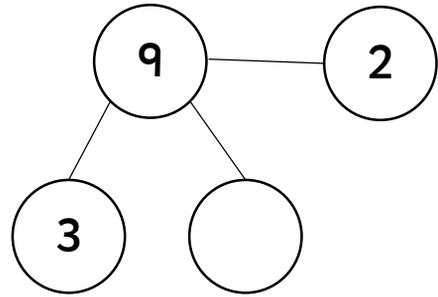
VF

6a. Fill in the missing part.



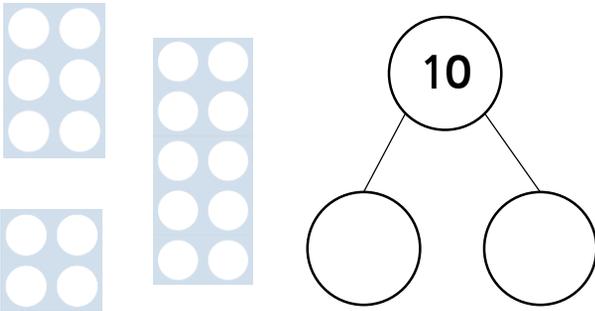
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6b. Fill in the missing part.



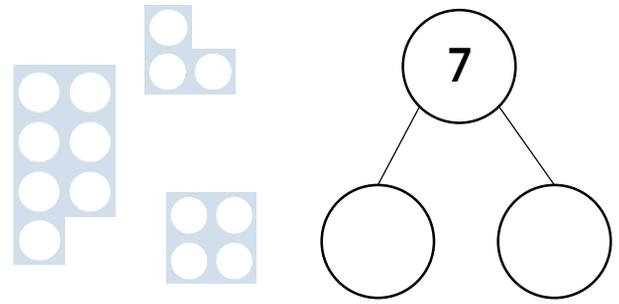
VF

7a. Use the numicon to fill in the missing parts on the part whole model.



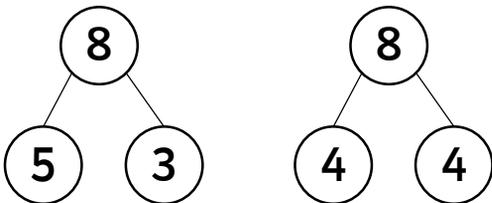
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7b. Use the numicon to fill in the missing parts on the part whole model.



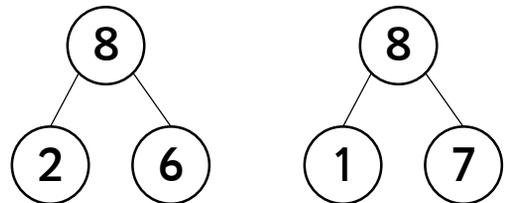
VF

8a. Circle the part whole model which shows  $5 + 3 = 8$ .



VF

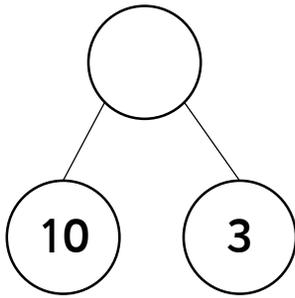
8b. Circle the part whole model which shows  $2 + 6 = 8$ .



VF

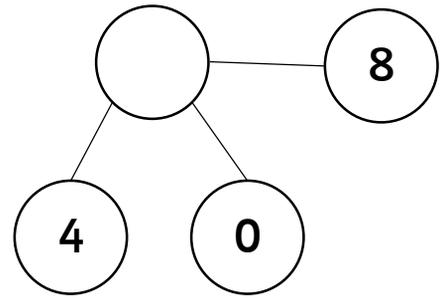
# Varied Fluency – Part Whole Model

9a. Fill in the missing whole number.



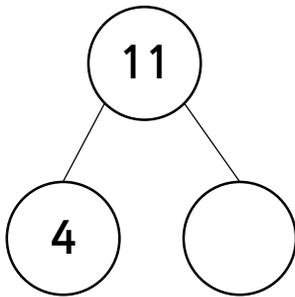
VF

9b. Fill in the missing whole number.



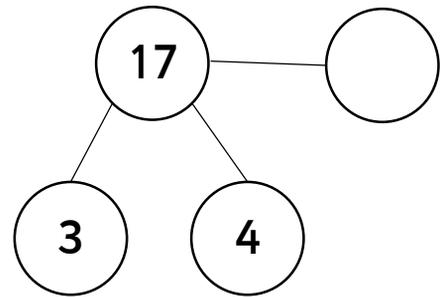
VF

10a. Fill in the missing part.



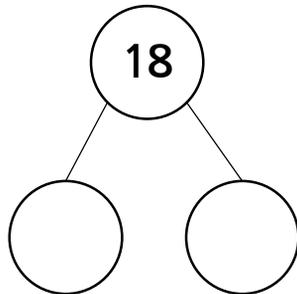
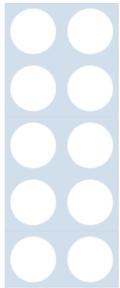
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10b. Fill in the missing part.



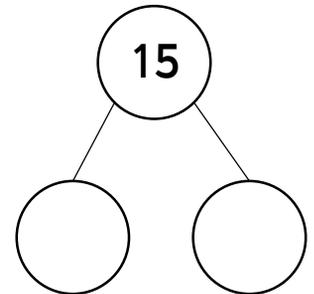
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11a. Use the numicon to fill in the missing parts on the part whole model.



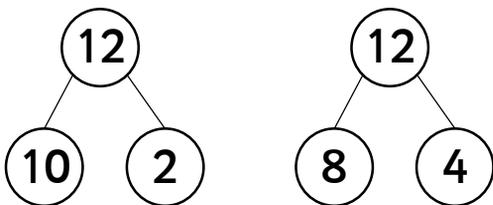
VF

11b. Use the numicon to fill in the missing parts on the part whole model.



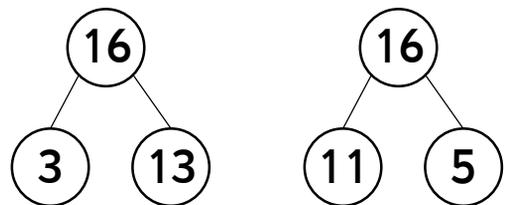
VF

12a. Circle the part whole model which shows  $10 + 2 = 12$ .



VF

12b. Circle the part whole model which shows  $11 + 5 = 16$ .



VF

# Varied Fluency – Part Whole Model

## Developing

1a. 5

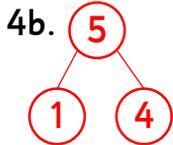
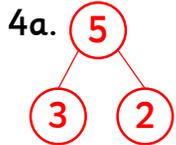
1b. 4

2a. 1

2b. 3

3a. 1, 4

3b. 1, 3



## Expected

5a. 9

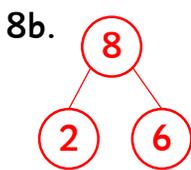
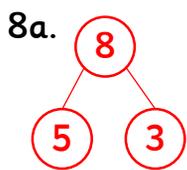
5b. 10

6a. 0

6b. 4

7a. 4, 6

7b. 3, 4



## Greater Depth

9a. 13

9b. 12

10a. 7

10b. 10

11a. 10, 8

11b. 9, 6

