

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 how numbers up to 10 can be partitioned into two groups. Using visual representations only.

Expected Questions to support using a part whole model to show how numbers up to 10 can be partitioned into two or three groups, including zero. Using a mixture of counters and numerals.

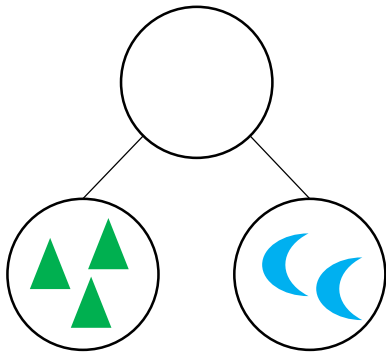
Greater Depth Questions to support using a part whole model to show how numbers up to 10 can be partitioned into two or three groups, including zero. Using a mixture of counters (all the same), numerals and words.

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

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

Part Whole Model

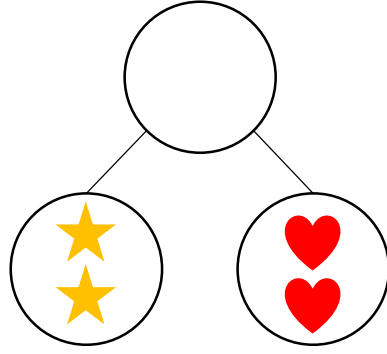
1a. Fill in the missing whole number.



VF

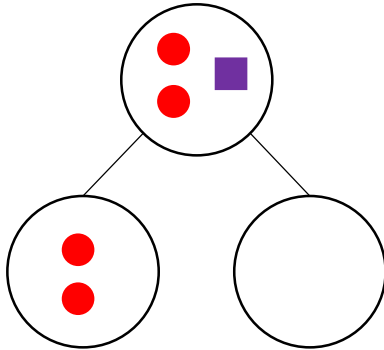
Part Whole Model

1b. Fill in the missing whole number.



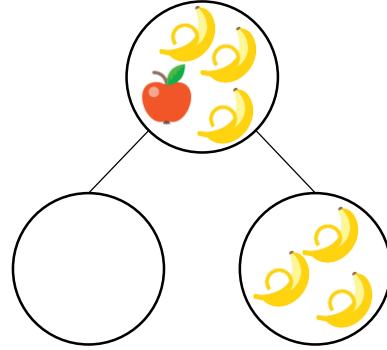
VF

2a. Fill in the missing part.



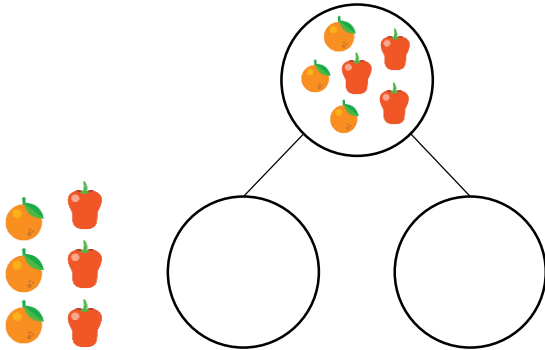
VF

2b. Fill in the missing part.



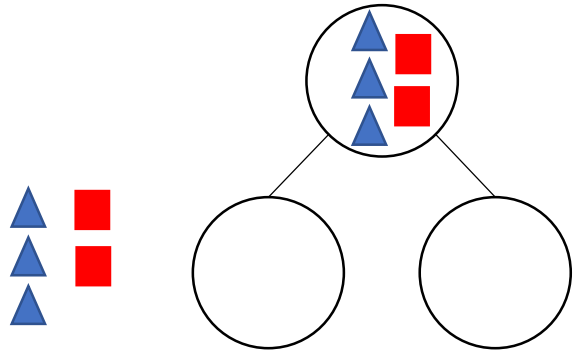
VF

3a. Use the objects to fill in the missing parts of the part whole model.



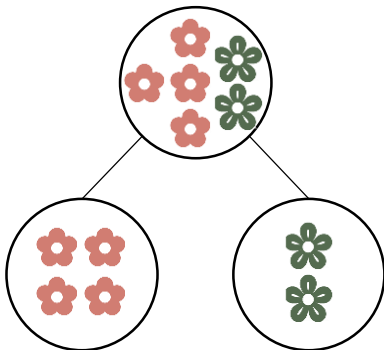
VF

3b. Use the objects to fill in the missing parts of the part whole model.



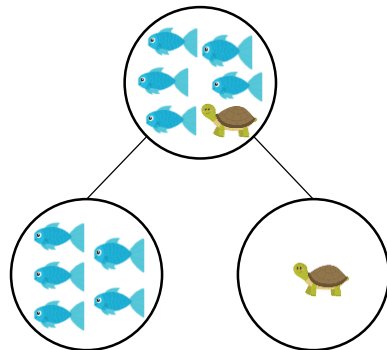
VF

4a. True or false?
The whole is 7 and the parts are 4 and 3.



VF

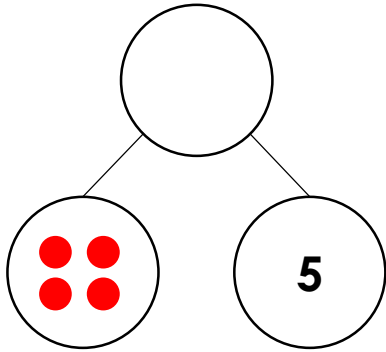
4b. True or false?
The whole is 6 and the parts are 5 and 1.



VF

Part Whole Model

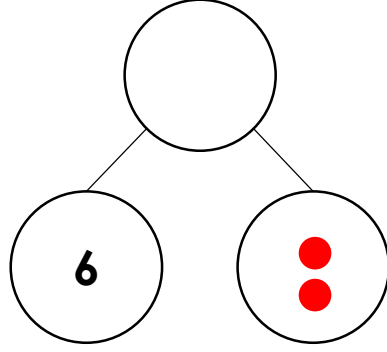
5a. Fill in the missing whole number.



VF

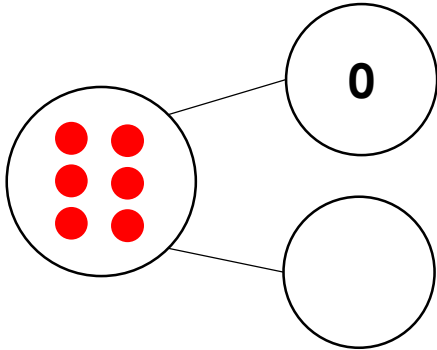
Part Whole Model

5b. Fill in the missing whole number.



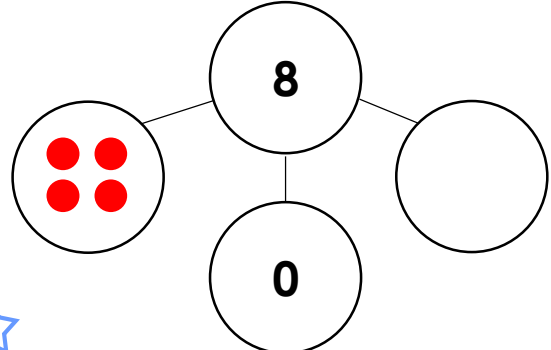
VF

6a. Fill in the missing part.



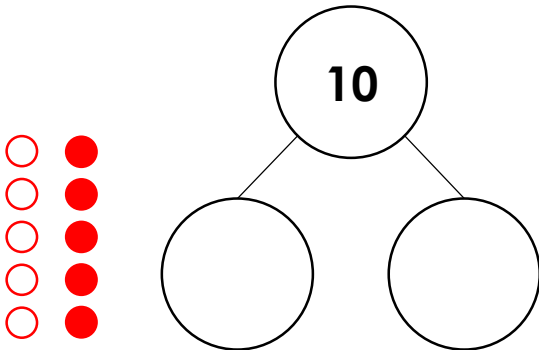
VF

6b. Fill in the missing part.



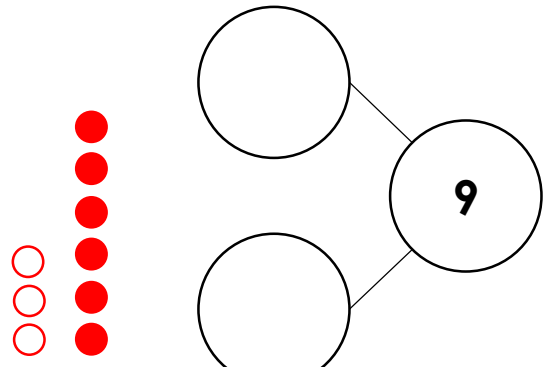
VF

7a. Use the counters to fill in the missing parts of the part whole model.



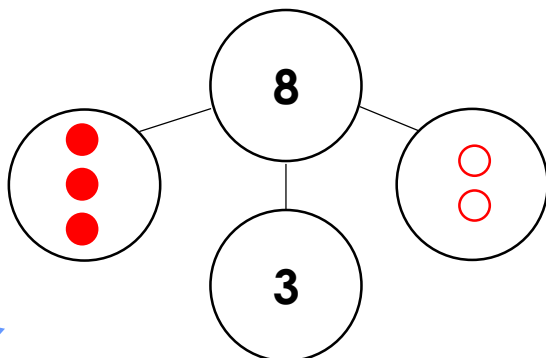
VF

7b. Use the counters to fill in the missing parts of the part whole model.



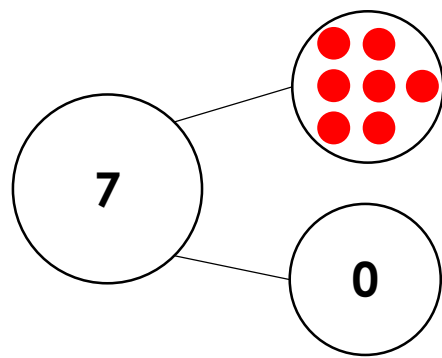
VF

8a. True or false?
The whole is 8. The parts are 3, 3 and 3.



VF

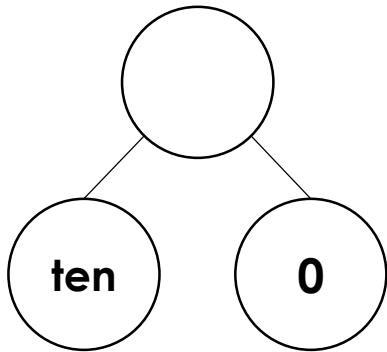
8b. True or false?
The whole is 7. The parts are 7 and 7.



VF

Part Whole Model

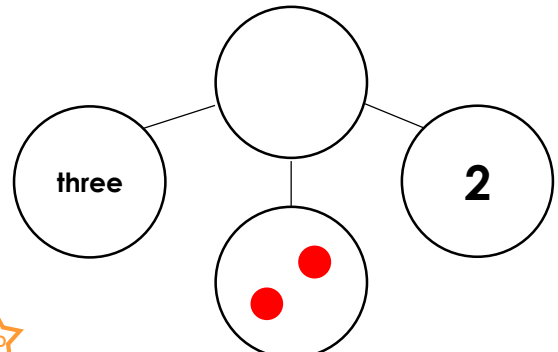
9a. Fill in the missing whole number.



VF

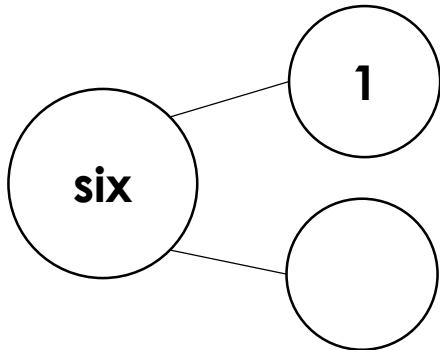
Part Whole Model

9b. Fill in the missing whole number.



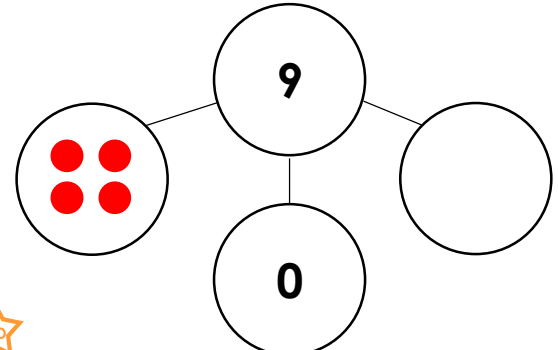
VF

10a. Fill in the missing part.



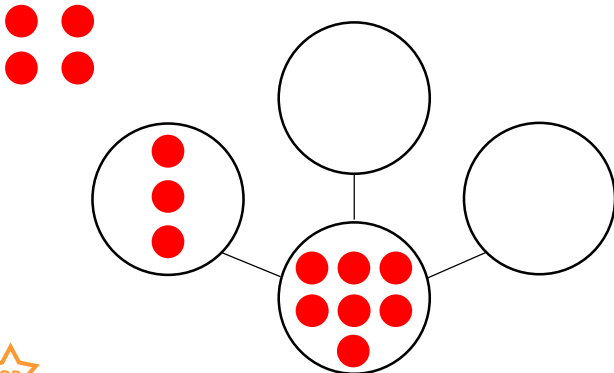
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10b. Fill in the missing part.



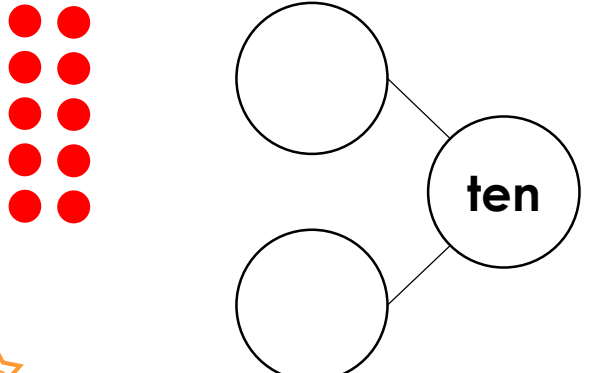
VF

11a. Use the counters to fill in the missing parts of the part whole model.



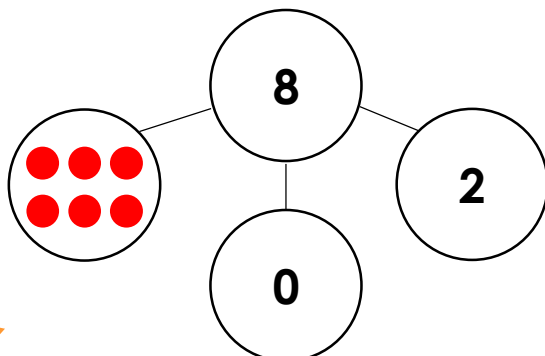
VF

11b. Use the counters to fill in the missing parts of the part whole model.



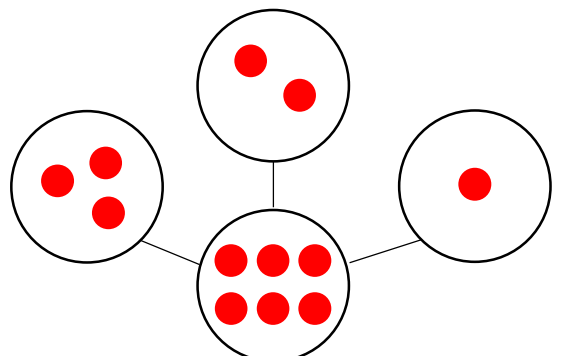
VF

12a. True or false?
The whole is 8. The parts are 5, 0 and 2.



VF

12b. True or false?
The whole is 2. The parts are 3, 6 and 1.



VF

Varied Fluency Part Whole Model

Developing

- 1a. 5
- 2a. 1 purple square
- 3a. 3 oranges and 3 peppers as the parts.
- 4a. False. The whole is 6 and the parts are 4 and 2.

Expected

- 5a. 9
- 6a. 6
- 7a. 5 counters in each part
- 8a. False. The parts are 3, 3 and 2.

Greater Depth

- 9a. 10
- 10a. 5
- 11a. Various answers, for example:
3 counters and 1 counter as the parts,
2 counters and 2 counters as the parts.
- 12a. False. The parts are 6, 0 and 2.

Varied Fluency Part Whole Model

Developing

- 1b. 4
- 2b. 1 apple
- 3b. 3 blue cubes and 2 gold squares as the parts.
- 4b. True. The whole is 6 and the parts are 5 and 1.

Expected

- 5b. 8
- 6b. 4
- 7b. 6 counters and 3 counters as the parts.
- 8b. False. The parts are 7 and 0.

Greater Depth

- 9b. 7
- 10b. 5
- 11b. Various answers, for example:
8 counters and 2 counters as the parts.
7 counters and 3 counters as the parts.
- 12b. False. The whole is 6. The parts are 3, 2 and 1. The parts must be smaller than the whole.