

Homework/Extension

Part-Whole Model

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, least

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

Developing Fill in the missing parts of the part whole models using numbers to 10. Using different visual representations only.

Expected Fill in the missing parts of the part whole models using numbers to 10. Using counters and numerals.

Greater Depth Fill in the missing parts of the part whole models using numbers to 10. Using numerals and words.

Questions 2, 5 and 8 (Varied Fluency)

Developing Match the whole to its two parts. Using different visual representations only.

Expected Match the whole to its two parts, including zero. Using counters and numerals.

Greater Depth Match the whole to its three parts, including zero. Using the same visual representations, numerals and words.

Questions 3, 6 and 9 (Reasoning and Problem Solving)

Developing Use the picture cards to complete the part whole model (2 groups).

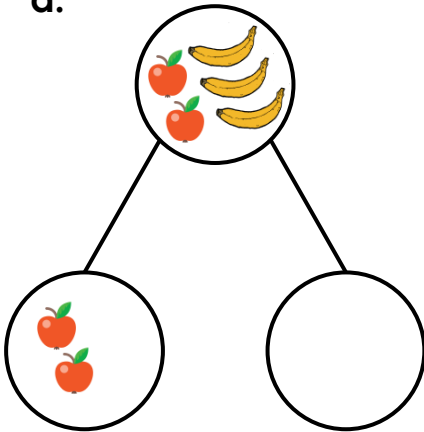
Expected Use the digit cards to complete the part whole model (2 groups).

Greater Depth Use the digit cards, in numerals and words, to complete two different part whole models (2 and 3 groups).

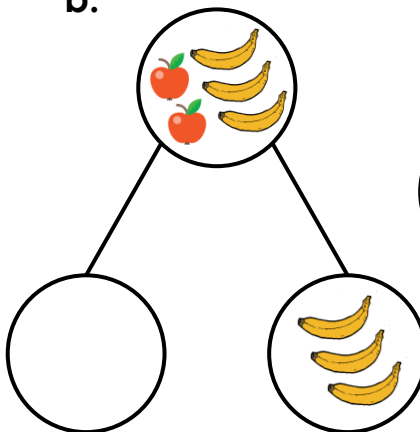
Part-Whole Model

1. Fill in the missing parts.

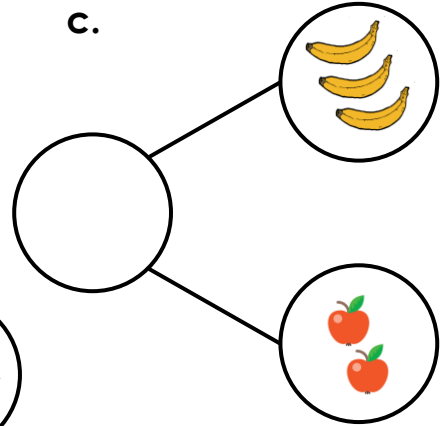
a.



b.



c.



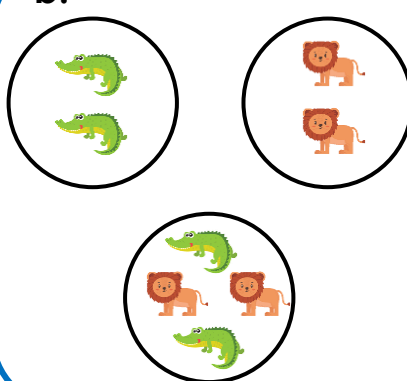
VF
HW/Ext

2. Match the whole to its parts.

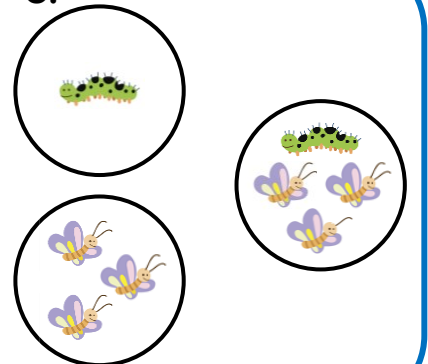
a.



b.

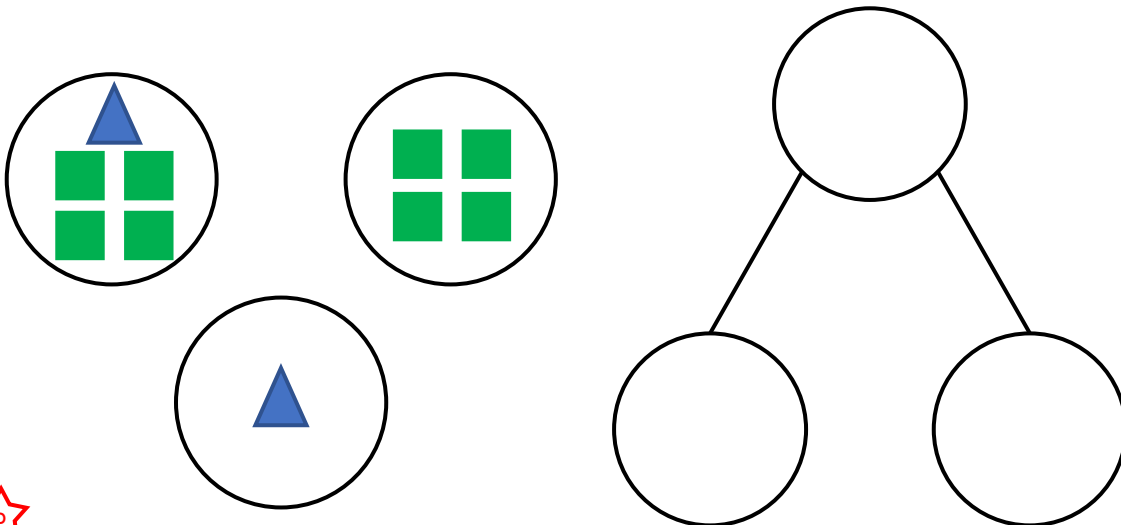


c.



VF
HW/Ext

3. Show where the cards need to go.

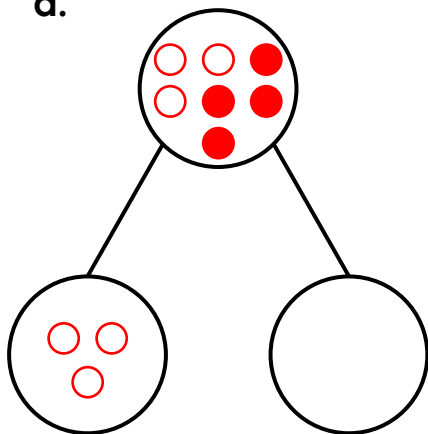


RPS
HW/Ext

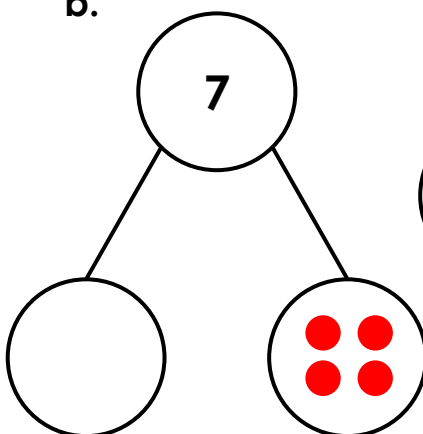
Part-Whole Model

4. Fill in the missing parts.

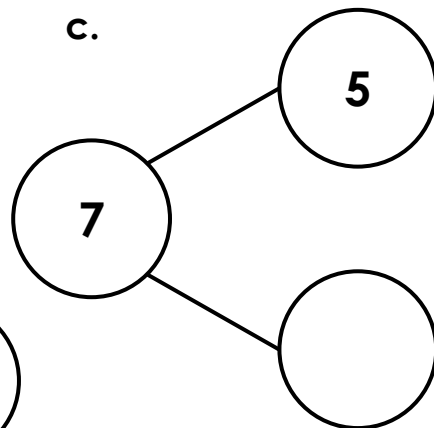
a.



b.



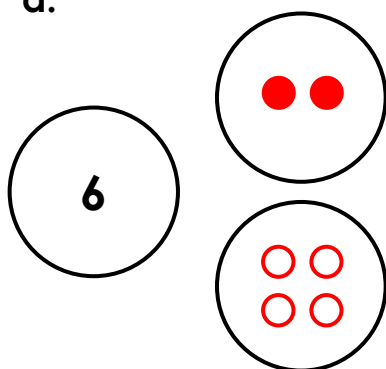
c.



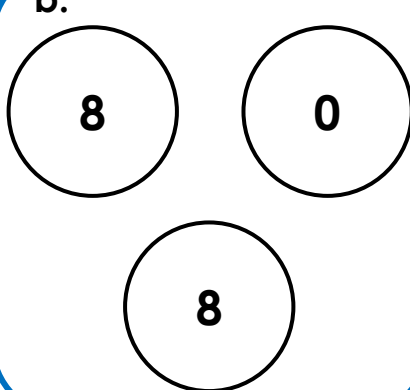
VF
HW/Ext

5. Match the whole to its parts.

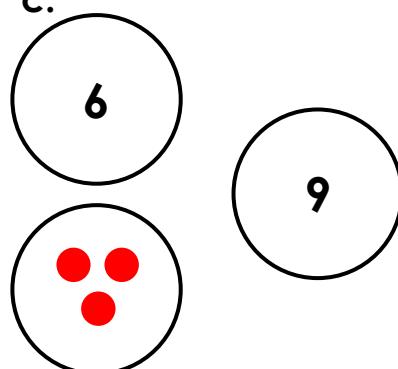
a.



b.

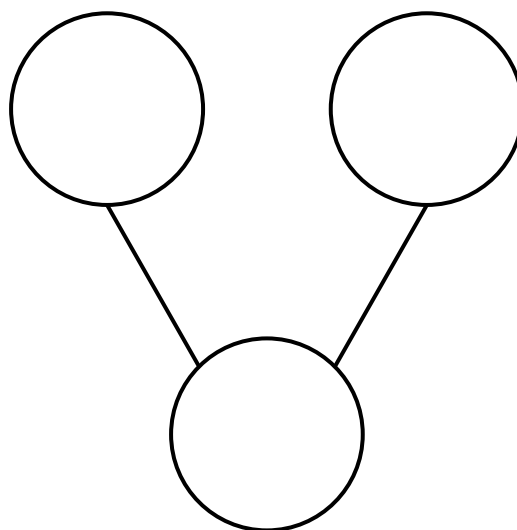
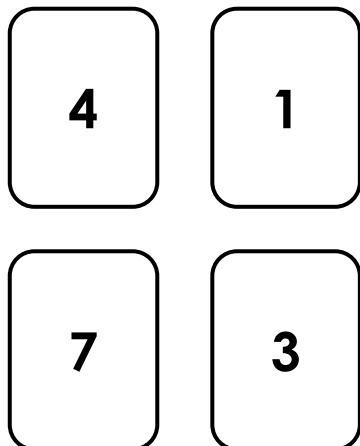


c.



VF
HW/Ext

6. Fill in the part whole model using the digit cards.

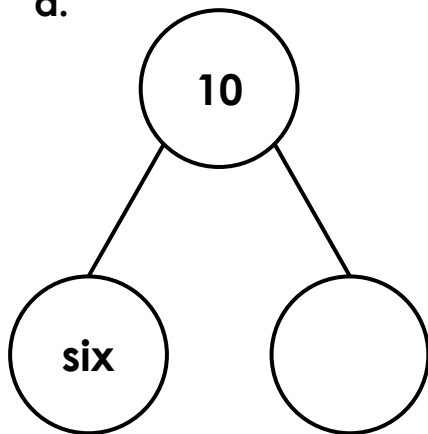


RPS
HW/Ext

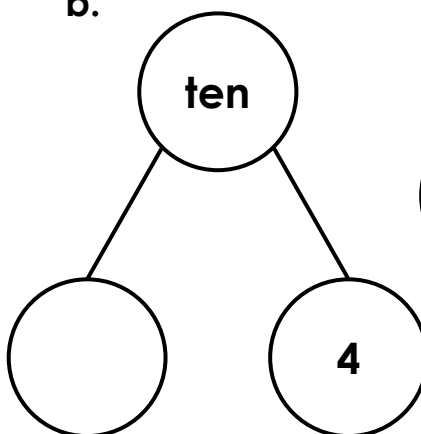
Part-Whole Model

7. Fill in the missing parts.

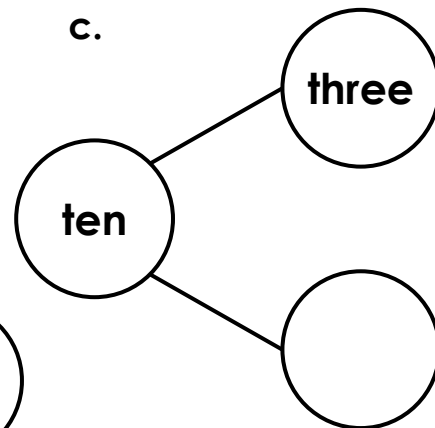
a.



b.



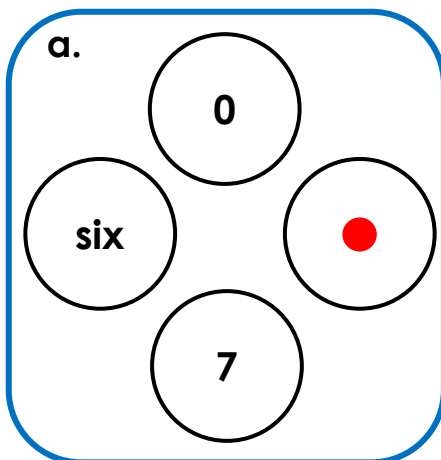
c.



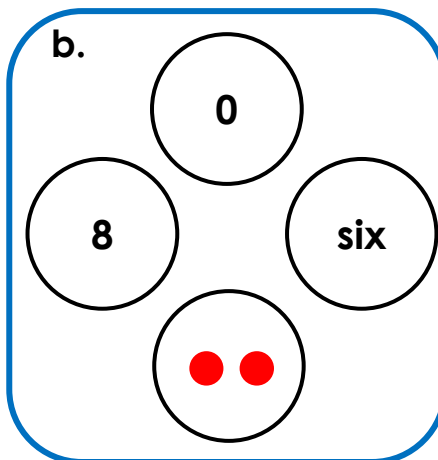
VF
HW/Ext

8. Match the whole to its parts.

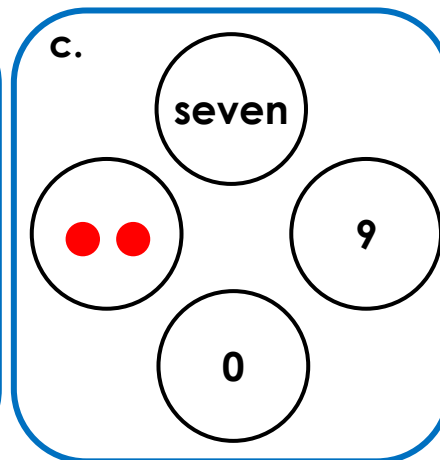
a.



b.



c.



VF
HW/Ext

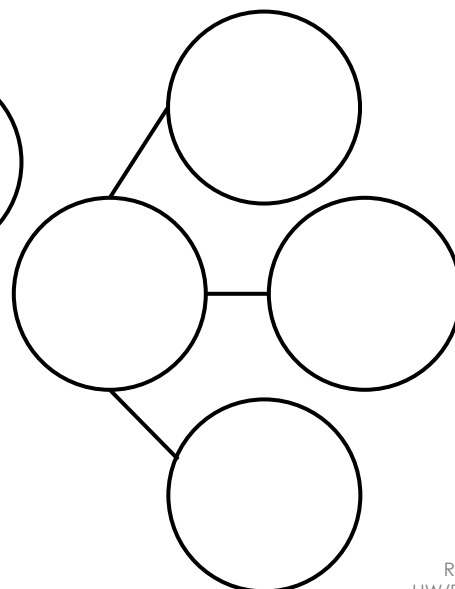
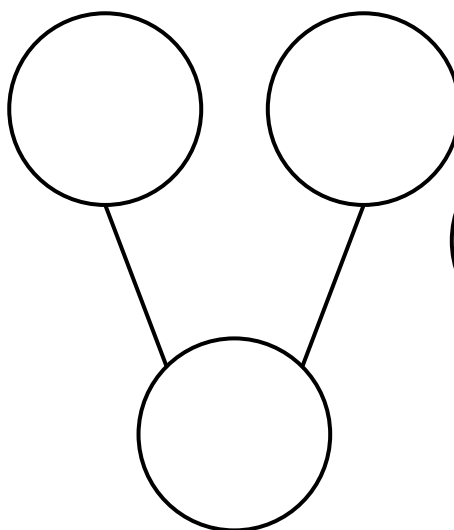
9. Fill in the part whole models using the digit cards.

5

three

ten

2



RPS
HW/Ext

Homework/Extension

Part-Whole Model

Developing

1. a) 3 bananas, b) 2 apples, c) 3 bananas and 2 apples (5 as the whole).
2. a) The parts are 2 and 1. The whole is 3.
b) The parts are 2 and 2. The whole is 4.
c) The parts are 1 and 3. The whole is 4.
3. The parts are 1 and 4. The whole is 5.

Expected

4. a) 4 counters or digits, b) 3 counters or digits, c) 2 counters or digits.
5. a) The parts are 2 and 4. The whole is 6.
b) The parts are 8 and 0. The whole is 8.
c) The parts are 3 and 6. The whole is 9.
6. There are two possible answers: The parts are 3 and 1. The whole is 4.
The parts are 3 and 4. The whole is 7.

Greater Depth

7. a) 4 or four, b) 6 or six, c) 7 or seven
8. a) The parts are six, 0 and 1. The whole is 7.
b) The parts are 0, six and 2. The whole is 8.
c) The parts are seven, 2 and 0. The whole is 9.
9. The parts are 2 and three. The whole is 5.
The parts are 5, three and 2. The whole is ten.