

Homework/Extension

Represent Objects

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 Draw objects to represent counters on a five frame. Counters arranged in lines, numbers up to 5.

Expected Draw objects to represent counters on a ten frame. Counters arranged in lines, numbers up to 10.

Greater Depth Draw objects to represent counters on a ten frame. Counters arranged at random, numbers up to 10.

Questions 2, 5 and 8 (Varied Fluency)

Developing State whether a statement is true or false by counting the fruit and the counters on a five frame. Using up to 2 different fruits.

Expected State whether a statement is true or false by counting the fruit and the counters on a ten frame. Using up to 3 different fruits.

Greater Depth State whether a statement is true or false by counting the fruit and the counters on a ten frame. Using up to 4 different fruits.

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

Developing Draw a pictorial representation that is less than the number of counters in the five frame. Numbers up to 5.

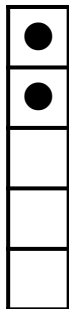
Expected Draw a pictorial representation that is less than the number of counters in the ten frame. Numbers up to 10, arranged in lines in the ten frame.

Greater Depth Draw a pictorial representation that is less than the total number of counters in the ten frame spread across 2 ten frames.

Represent Objects

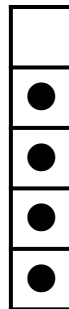
1. Draw the same number of objects, onto the pictures below, as there are counters on the five frames.

A.



apples on the tree

B.



petals on the flower



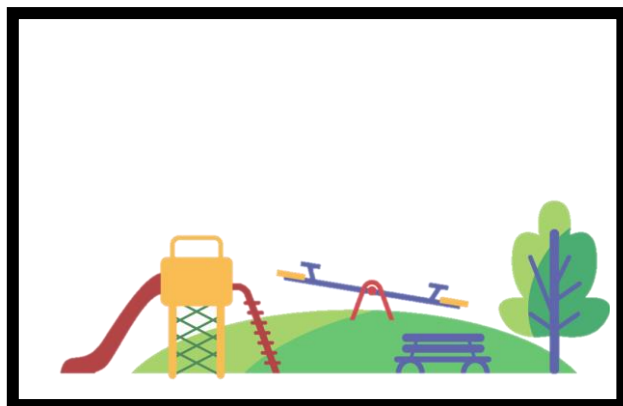
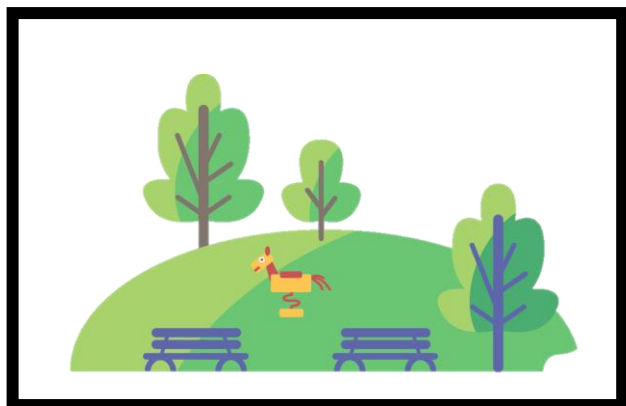
VF
HW/Ext

2. True or false? There are the same number of strawberries as there are counters on the five frame.

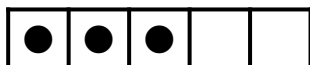


VF
HW/Ext

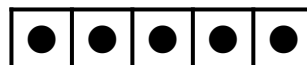
3. Draw a picture to represent a number less than that shown by the counters.



A.



B.

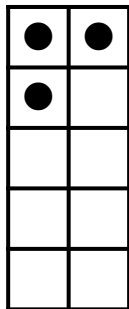


RPS
HW/Ext

Represent Objects

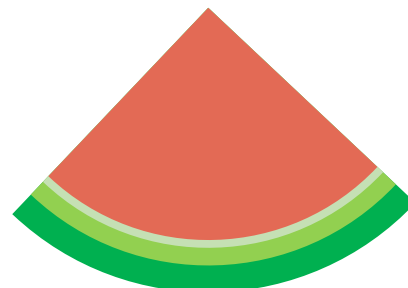
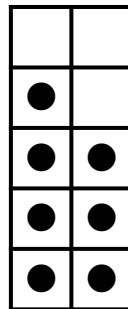
4. Draw the same number of objects, onto the pictures below, as there are counters on the ten frames.

A.



leaves on the tree

B.

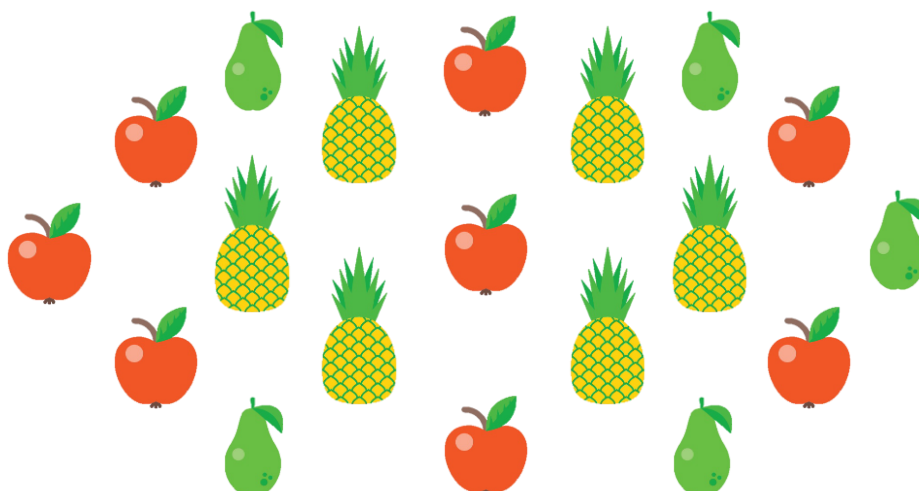
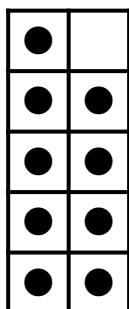


seeds on the watermelon



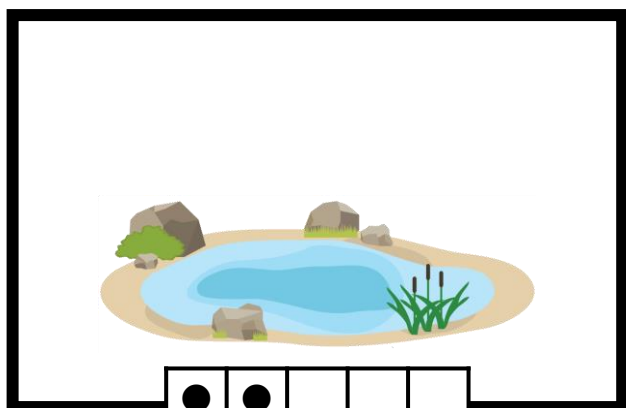
VF
HW/Ext

5. True or false? There are the same number of apples as there are counters on the ten frame.

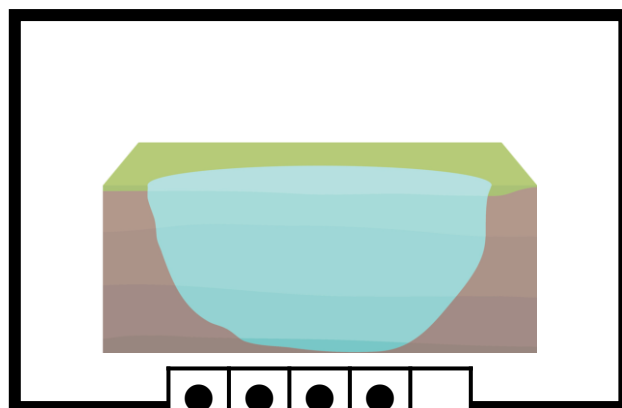
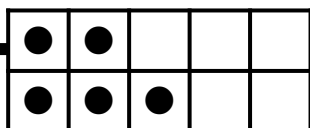


VF
HW/Ext

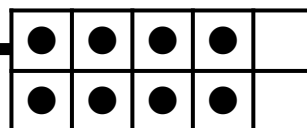
6. Draw a picture to represent a number less than that shown by the counters.



A.



B.

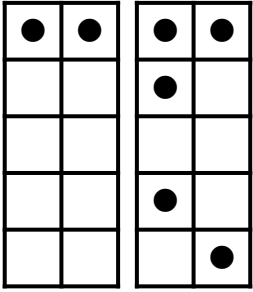


RPS
HW/Ext

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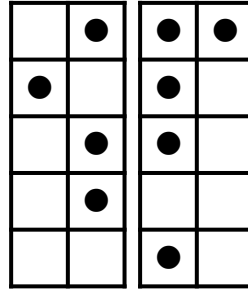
7. Draw the same number of objects, onto the pictures below, as there are counters on the ten frames.

A.



rocks on the volcano

B.

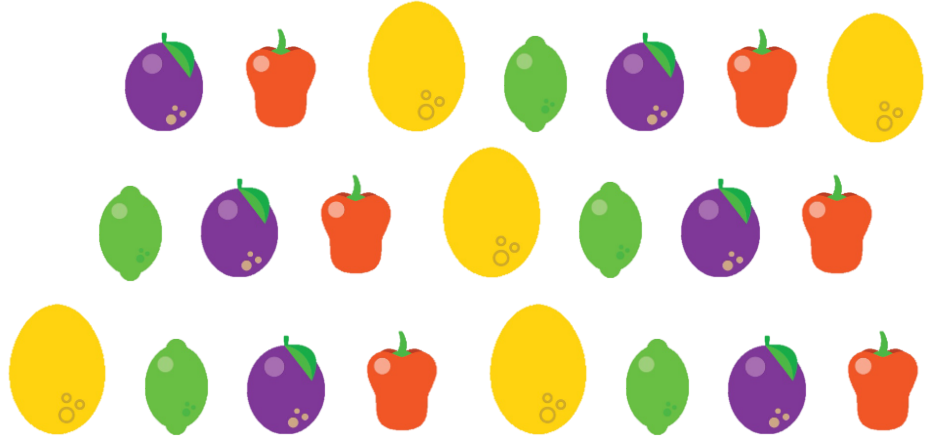
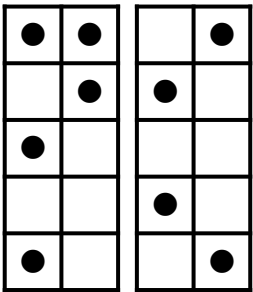


Drops from the watering can



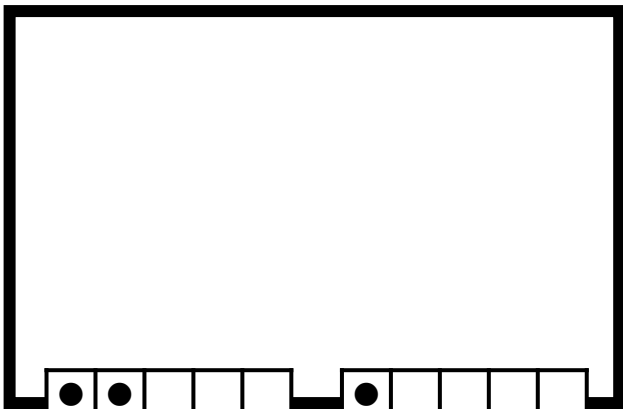
VF
HW/Ext

8. True or false? There are the same number of melons and limes in total as there are counters on the ten frames.

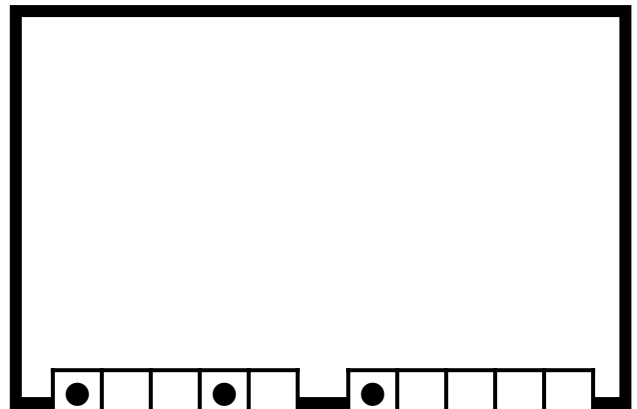


VF
HW/Ext

9. Draw a picture to represent a number less than that shown by the counters.



A.



B.



RPS
HW/Ext

Homework/Extension

Represent Objects

Developing

1. A = 2 apples, B = 4 petals
2. True.
3. A. Various answers, for example: 2 birds in the sky. There should be less than 3 objects drawn.
B. Various answers, for example: 3 children. There should be less than 5 objects drawn.

Expected

4. A = 3 leaves, B = 7 seeds
5. False. There are 8 apples but 9 counters on the ten frame.
6. A. Various answers, for example: 4 ducks. There should be less than 5 objects drawn.
B. Various answers, for example: 7 fish. There should be less than 8 objects drawn.

Greater Depth

7. A = 7 rocks, B = 9 drops
8. False. There are 10 melons and limes in total but 9 counters on the ten frames.
9. A. Various answers, for example: 6 spots. There should be less than 8 objects drawn.
B. Various answers, for example: 5 apples. There should be less than 7 objects drawn.