

# Homework/Extension

## Step 5: Systematic Number Bonds

### 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:

Questions 1, 4 and 7 (Varied Fluency)

**Developing** Complete the representations to show systematic number bonds. Number sentences written using numbers and pictorials.

**Expected** Complete the representations to show systematic number bonds. Number sentences written using numbers only.

**Greater Depth** Complete the representations to show systematic number bonds. Number sentences written using numbers and words.

Questions 2, 5 and 8 (Varied Fluency)

**Developing** Complete the number sentences to show the systematic number bonds using the cards given. Number sentences written using numbers and pictorials.

**Expected** Complete the number sentences to show the systematic number bonds using the number cards given. Number sentences written using numbers only.

**Greater Depth** Complete the number sentences to show the systematic number bonds using the number cards given. Statement includes numbers and words.

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

**Developing** Explain whether the statement is correct. Work systematically to investigate the subsequent number bond. Number sentence shown using numbers and pictorials.

**Expected** Explain whether the statement is correct. Work systematically to investigate the subsequent number bond. Number sentence written using numbers only.

**Greater Depth** Explain whether the statement is correct. Work systematically to investigate the subsequent number bond. Number sentence written using numbers and words.

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

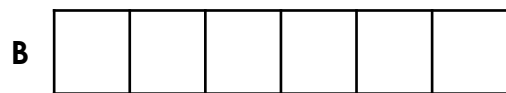
Did you like this resource? Don't forget to [review](#) it on our website.

# Systematic Number Bonds

1. Complete the representations below.



$$3 + \text{3 yellow squares} = 6$$



$$4 + \text{2 yellow squares} = 6$$




$$5 + \text{1 empty box} = 6$$





VF  
HW/Ext


2. Fill in the card to complete the number bonds.



A.  +  = 5

B.  +  = 5

C.  +  = 5

D.  +  + 5



VF  
HW/Ext

3. Jerry is representing systematic number bonds.

$$\text{3 blue circles} + \text{1 blue circle} = 4$$

$$\text{2 blue circles} + \text{2 blue circles} = 4$$

He says,



The next number bond will be:

$$\text{4 blue circles} + \text{0} = 4$$

Is he correct? Explain your reasoning.



RPS  
HW/Ext

# Systematic Number Bonds

4. Complete the representations below.



$$5 + 4 = 9$$



$$6 + 3 = 9$$



$$7 + \square = 9$$



VF  
HW/Ext

5. Fill in the correct number to complete the number bonds.

1

2

3

4

A.  $6 + \square = 7$

B.  $5 + \square = 7$

C.  $4 + \square = 7$

D.  $3 + \square = 7$



VF  
HW/Ext

6. Maria is writing systematic number bonds.

$$8 + 0 = 8$$

$$7 + 1 = 8$$

She says,



I will write  $5 + 3 = 8$  next.

Is she correct? Explain your reasoning.

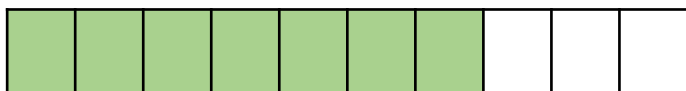


RPS  
HW/Ext

# Systematic Number Bonds

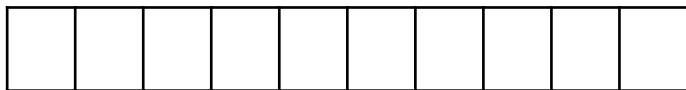
7. Complete the representations below.

A



$$\text{seven} + \text{three} = \text{ten}$$

B



$$\text{eight} + \text{two} = 10$$

C



$$\text{nine} + \boxed{\phantom{00}} = 10$$



VF  
HW/Ext

8. Fill in the correct number to complete the number bonds.

six

3

4

five

$$\text{A. } 3 + \boxed{\phantom{00}} = 9$$

$$\text{B. } \text{four} + \boxed{\phantom{00}} = \text{nine}$$

$$\text{C. } \text{five} + \boxed{\phantom{00}} = 9$$

$$\text{D. } \text{six} + \boxed{\phantom{00}} = \text{nine}$$



VF  
HW/Ext

9. Freya is writing systematic number bonds.

$$5 + \text{five} = \text{ten}$$

$$\text{six} + \text{four} = \text{ten}$$

She says,



I will write  $\text{eight} + \text{two} = \text{ten}$  next.

Is she correct? Explain your reasoning.



RPS  
HW/Ext

## Homework/Extension

### Systematic Number Bonds

#### Developing

1. A.  $3 + 3 = 6$   
B.  $4 + 2 = 6$   
C.  $5 + 1 = 6$
2. A. 4; B. 3; C. 2; D. 1
3. No. Jerry is incorrect because the next number bond is  $1 + 3 = 4$ .

#### Expected

4. A.  $7 + 2 = 9$   
B.  $6 + 3 = 9$   
C.  $5 + 4 = 9$
5. A. 1; B. 2; C. 3; D. 4
6. No. Maria is incorrect because the next number bond is  $6 + 2 = 8$ .

#### Greater Depth

7. A. nine + one = 10  
B. eight + two = 10  
C. seven + three = ten
8. A. six; B. five; C. 4; D. 3
9. No. Freya is incorrect because the next number bond is seven + three = ten.