

Homework/Extension

Step 5: Bonds to 100 – Tens

National Curriculum Objectives:

Mathematics Year 2: (2C1) [Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100](#)

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

Developing Draw the missing piece of equipment and fill in the missing numbers so that the pictorial and number sentences match. One missing number. Using known facts for 10 and applying to numbers within 100.

Expected Draw the missing piece of equipment and fill in the missing numbers so that the pictorial and number sentences match. Some missing numbers. Using known facts for 10 and applying to numbers within 100.

Greater Depth Draw the missing piece of equipment and fill in the missing numbers so that the pictorial and number sentences match. Mostly missing numbers. Using known facts for 10 and applying to numbers within 100.

Questions 2, 5 and 8 (Varied Fluency)

Developing Shade the number frame to match the numbers given in digits. One part of the bond already shaded on the frame. Multiples of 10 within 100, increasing by 10.

Expected Shade the number frame to match the numbers given in words. Multiples of 10 within 100, increasing by 10.

Greater Depth Shade the number frame to match the numbers given in words. Decreasing in multiples of 20 from a multiple of 5.

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

Developing Calculate the value of 4 symbols using number bonds for multiples of 10. Clues all given as addition statements. Numbers represented pictorially.

Expected Calculate the value of 4 symbols using number bonds for multiples of 10. Two addition and two subtraction statements given as clues. Numbers given in digits.

Greater Depth Calculate the value of 4 symbols using number bonds for multiples of 5. Clues involve addition or subtraction statements with 2 or more symbols involved. Numbers given in digits.

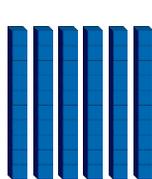
More [Year 2 Addition and Subtraction](#) resources.

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

Bonds to 100 – Tens

1. Draw the missing Base 10 pieces using the number sentences to help you.

A.


 $+$

 $= 100$

$6 + 4 = 10$

$60 + 40 = 100$

B.


 $+$

 $= 100$

$8 + 2 = 10$

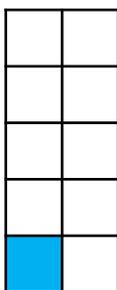
$80 + 20 = 100$



VF
HW/Ext

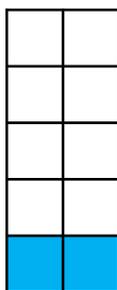
2. Complete the frames to match the calculations below.

A.



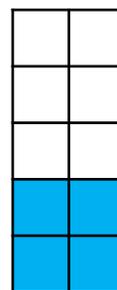
$40 = 10 + 30$

B.



$50 = 20 + 30$

C.



$60 = 40 + 20$

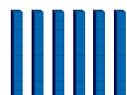


VF
HW/Ext

3. Use the clues to crack the alien's code.

A.  = B.  = C.  = D.  =


 $+$

 $=$



 $+$

 $=$

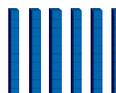


 $+$

 $=$



 $+$

 $=$




RPS
HW/Ext

Bonds to 100 – Tens

4. Draw the missing Numicon piece and fill in the missing numbers.

$$\begin{array}{c} \text{○} \\ \text{○} \\ \text{○} \\ \text{○} \\ \text{○} \end{array} + \boxed{} = 10$$

$$\boxed{} + \begin{array}{c} \text{○} \\ \text{○} \\ \text{○} \\ \text{○} \end{array} = 9$$

A. 7 + $\boxed{}$ = 10

C. $\boxed{}$ + 5 = 9

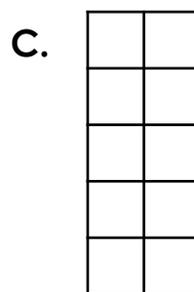
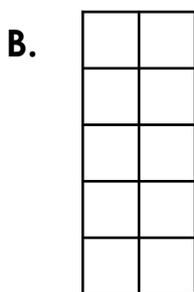
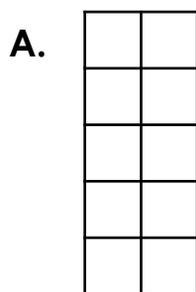
B. 70 + $\boxed{}$ = 100

D. $\boxed{}$ + 50 = $\boxed{}$



VF
HW/Ext

5. Using two colours, shade the frames to match the number sequence.



fifty = twenty + thirty

sixty = twenty + forty

seventy = twenty + fifty



VF
HW/Ext

6. Use the clues to crack the alien's code.

A. = $\boxed{}$

B. = $\boxed{}$

C. = $\boxed{}$

D. = $\boxed{}$

+ = 80

+ = 90

- = 10

- = 40



RPS
HW/Ext

Bonds to 100 – Tens

7. Draw the missing Base 10 pieces and fill in the missing numbers.

$$\begin{array}{|c|} \hline \text{Three tens rods and five units rods} \\ \hline \end{array} + \square = 95$$

$$\square + \square = \begin{array}{|c|} \hline \text{Four tens rods} \\ \hline \end{array}$$

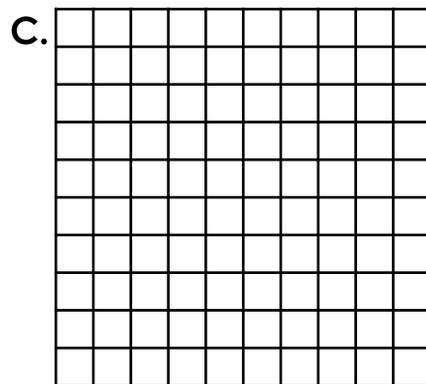
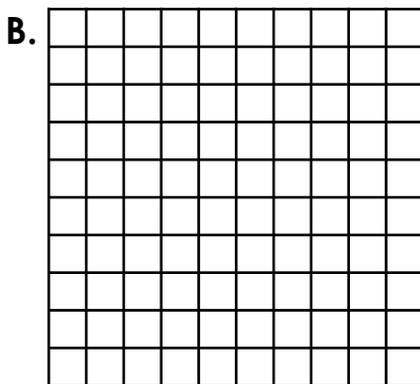
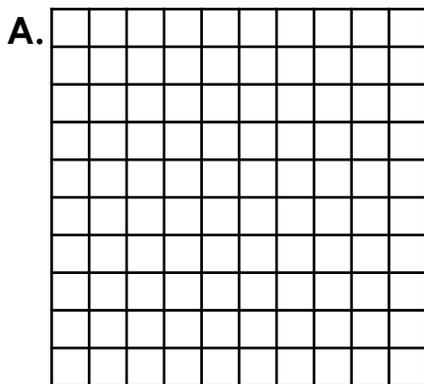
A. $\square + \square = 95$

B. $15 + \square = \square$



VF
HW/Ext

8. Using two colours, shade the frames to match the number sequence.



eighty-five = twenty-five + sixty

sixty-five = twenty-five + forty

forty-five = twenty-five + twenty



VF
HW/Ext

9. Use the clues to crack the alien's code.

A. = \square B. = \square C. = \square D. = \square

$$\text{alien symbol 2} - \text{alien symbol 1} - \text{alien symbol 4} = 45$$

$$\text{alien symbol 4} + \text{alien symbol 4} + \text{alien symbol 4} = 60$$

$$\text{alien symbol 1} + \text{alien symbol 1} - \text{alien symbol 4} = 50$$

$$\text{alien symbol 2} - \text{alien symbol 1} - \text{alien symbol 3} = 15$$



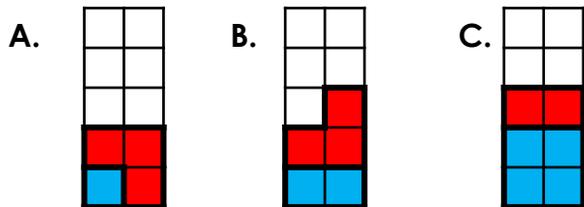
RPS
HW/Ext

Homework/Extension Bonds to 100 – Tens

Developing

1. **A = 4 tens; B = 8 tens**

2.

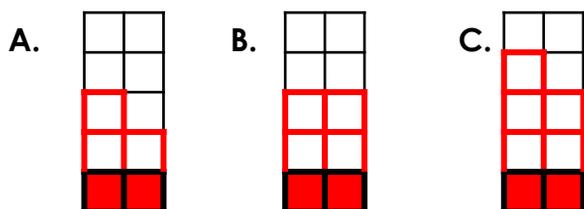


3. **A = 20; B = 30; C = 40; D = 10**

Expected

4. **A = 7 + 3 = 10; B = 70 + 30 = 100; C = 4 + 5 = 9; D = 40 + 50 = 90**

5.

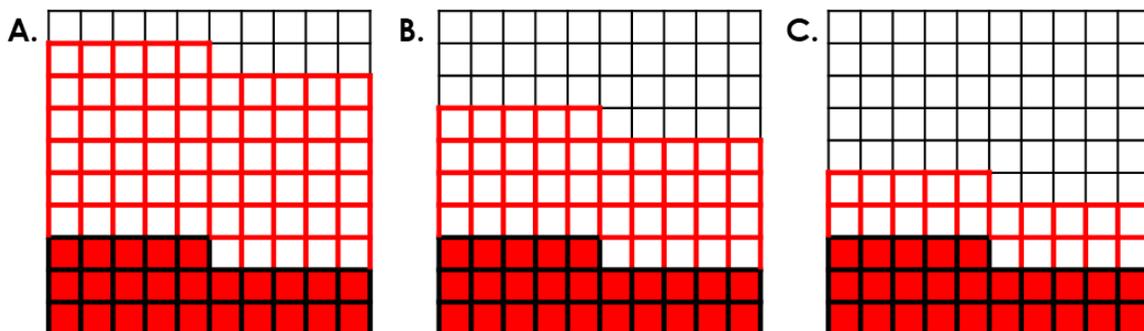


6. **A = 60 ; B = 30 ; C = 40 ; D = 20**

Greater Depth

7. **A = 25 + 70 = 90; B = 15 + 35 = 50**

8.



9. **A = 35; B = 100; C = 50; D = 20**