

Varied Fluency

Step 4: Tens and Ones 2

National Curriculum Objectives:

Mathematics Year 2: (2N2a) [Read and write numbers to at least 100 in numerals and in words](#)

Mathematics Year 2: (2N3) [Recognise the place value of each digit in a two-digit number \(tens, ones\)](#)

Mathematics Year 2: (2N4) [Identify, represent and estimate numbers using different representations, including the number line](#)

Mathematics Year 2: (2N6) [Use place value and number facts to solve problems](#)

Differentiation:

Developing Questions to support partitioning 2-digit numbers up to 99 using the addition symbol. Numbers are mainly shown using pictorial representations.

Expected Questions to support partitioning 2-digit numbers up to 99 using the addition symbol, with a variety of pictorial representations. Numbers given in numerals only.

Greater Depth Questions to support partitioning 2-digit numbers up to 99 using the addition symbol, mixed pictorials. Numbers are given in numerals and words.

More [Year 2 Place Value](#) resources.

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

Tens and Ones 2

1a. Circle the number sentence shown by the part whole model.

2 + 40

40 + 20

★ D VF

Tens and Ones 2

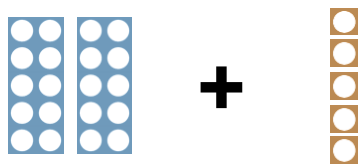
1b. Circle the number sentence shown by the part whole model.

3 + 9

30 + 9

★ D VF

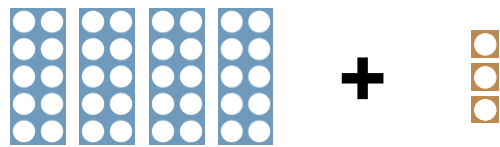
2a. Complete the number sentence for this representation.



★ D VF

$$\square + \square = \square$$

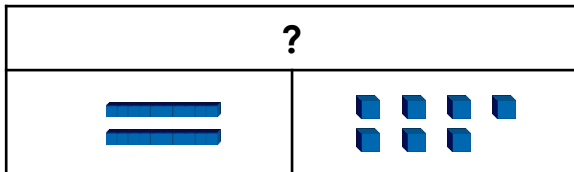
2b. Complete the number sentence for this representation.



★ D VF

$$\square + \square = \square$$

3a. Complete the missing numbers to make this number sentence correct.



★ D VF

$$20 + \square = \square$$

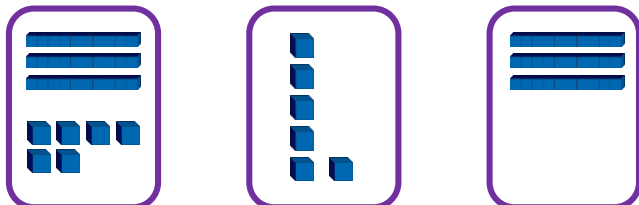
3b. Complete the missing numbers to make this number sentence correct.



★ D VF

$$50 + \square = \square$$

4a. Use these number cards to write 2 addition number sentences.



★ D VF

$$\begin{array}{rcl} \underline{\hspace{2cm}} & + & \underline{\hspace{2cm}} = \underline{\hspace{2cm}} \\ \underline{\hspace{2cm}} & + & \underline{\hspace{2cm}} = \underline{\hspace{2cm}} \end{array}$$

4b. Use these number cards to write 2 addition number sentences.

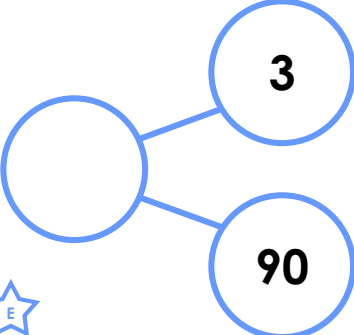


★ D VF

$$\begin{array}{rcl} \underline{\hspace{2cm}} & + & \underline{\hspace{2cm}} = \underline{\hspace{2cm}} \\ \underline{\hspace{2cm}} & + & \underline{\hspace{2cm}} = \underline{\hspace{2cm}} \end{array}$$

Tens and Ones 2

5a. Circle the number sentence shown by the part whole model.

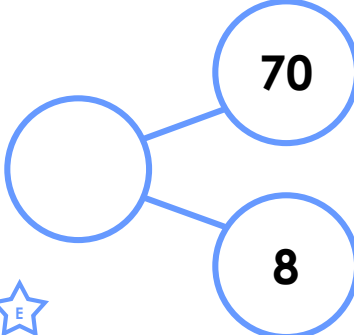


☐ $30 + 9$
☐ $90 + 30$
☐ $90 + 3$

★ E VF

Tens and Ones 2

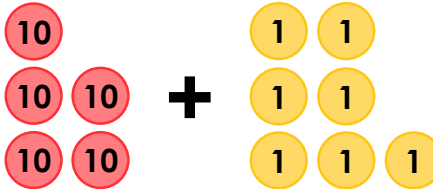
5b. Circle the number sentence shown by the part whole model.



☐ $7 + 80$
☐ $70 + 8$
☐ $70 + 7$

★ E VF

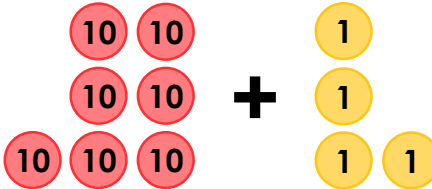
6a. Complete the number sentence for this representation.



+ =

★ E VF

6b. Complete the number sentence for this representation.



+ =

★ E VF

7a. Complete the missing numbers to make this number sentence correct.

?	
40	8

+ =

★ E VF

7b. Complete the missing numbers to make this number sentence correct.

?	
60	3

+ =

★ E VF

8a. Use these number cards to write 4 addition number sentences.

+ =
 + =
 = +
 = +

★ E VF

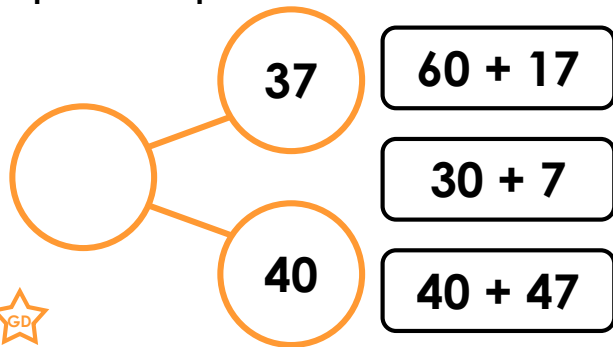
8b. Use these number cards to write 4 addition number sentences.

+ =
 + =
 = +
 = +

★ E VF

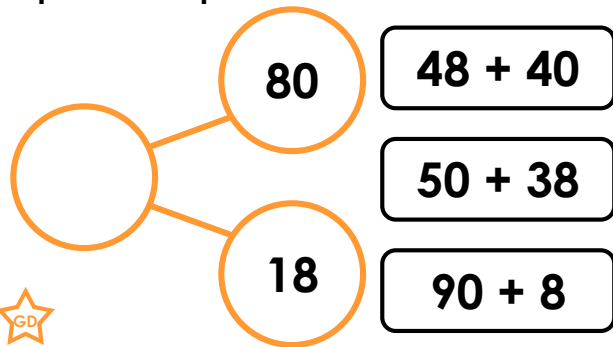
Tens and Ones 2

9a. Circle the number sentence that's equal to the part whole model.



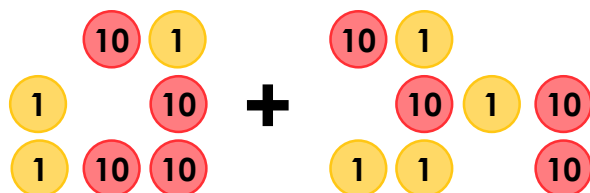
VF

9b. Circle the number sentence that's equal to the part whole model.



VF

10a. Complete the number sentence for this representation.

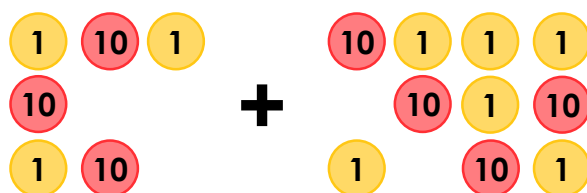


$$\square + \square = \square$$



VF

10b. Complete the number sentence for this representation.



$$\square + \square = \square$$



VF

11a. Complete the missing numbers to make this number sentence correct.

?		
31	5	50

$$\square + 31 + \square = \square$$



VF

11b. Complete the missing numbers to make this number sentence correct.

?		
35	2	20

$$\square + \square + 20 = \square$$



VF

12a. Use these number cards to write 4 addition number sentences.

sixty-three thirty ninety-three

$$\begin{array}{rcl} \underline{\hspace{2cm}} & + & \underline{\hspace{2cm}} = \underline{\hspace{2cm}} \\ \underline{\hspace{2cm}} & + & \underline{\hspace{2cm}} = \underline{\hspace{2cm}} \\ \underline{\hspace{2cm}} & = & \underline{\hspace{2cm}} + \underline{\hspace{2cm}} \\ \underline{\hspace{2cm}} & = & \underline{\hspace{2cm}} + \underline{\hspace{2cm}} \end{array}$$



VF

12b. Use these number cards to write 4 addition number sentences.

twenty-seven seventy-eight fifty-one

$$\begin{array}{rcl} \underline{\hspace{2cm}} & + & \underline{\hspace{2cm}} = \underline{\hspace{2cm}} \\ \underline{\hspace{2cm}} & + & \underline{\hspace{2cm}} = \underline{\hspace{2cm}} \\ \underline{\hspace{2cm}} & = & \underline{\hspace{2cm}} + \underline{\hspace{2cm}} \\ \underline{\hspace{2cm}} & = & \underline{\hspace{2cm}} + \underline{\hspace{2cm}} \end{array}$$



VF

Varied Fluency Tens and Ones 2

Developing

1a. $2 + 40$

2a. $20 + 5 = 25$

3a. $20 + 7 = 27$

4a. $30 + 6 = 36$; $6 + 30 = 36$

Expected

5a. $90 + 3$

6a. $50 + 7 = 57$

7a. $40 + 8 = 48$

8a. $10 + 52 = 62$; $52 + 10 = 62$; $62 = 52 + 10$;
 $62 = 10 + 52$

Greater Depth

9a. $60 + 17$

10a. $43 + 44 = 87$

11a. $50 + 31 + 5 = 86$

12a. thirty + sixty-three = ninety-three;
sixty-three + thirty = ninety-three; ninety-
three = thirty + sixty-three; ninety-three =
sixty-three + thirty

Varied Fluency Tens and Ones 2

Developing

1b. $30 + 9$

2b. $40 + 3 = 43$

3b. $50 + 4 = 54$

4b. $50 + 9 = 59$; $9 + 50 = 59$

Expected

5b. $70 + 8$

6b. $70 + 4 = 74$

7b. $3 + 60 = 63$

8b. $30 + 44 = 74$; $44 + 30 = 74$; $74 = 30 + 44$;
 $74 = 44 + 30$

Greater Depth

9b. $90 + 8$

10b. $33 + 46 = 79$

11b. $2 + 35 + 20 = 57$

12b. Fifty-one + twenty-seven = seventy-
eight; twenty-seven + fifty-one = seventy-
eight; seventy-eight = fifty-one + twenty-
seven; seventy-eight = twenty-seven +
fifty-one