Varied Fluency
Step 15: Bonds to 100 – Tens and Ones

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

Mathematics Year 2: (2C2a) Add and subtract numbers mentally, including: a two-digit number and ones, a two-digit number and tens, two two-digit numbers, adding three one-digit numbers

Mathematics Year 2: (2C3) Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems

Differentiation:

Developing Questions to support number bonds to 100 using multiples of 5. Pictorial support for all questions, where numbers are represented using sections of a hundred square, numerals or as tens and ones using Base 10.

Expected Questions to support creating number bonds to 100. Some pictorial support provided where numbers are represented in Base 10, sections of hundred squares, numerals and words.

Greater Depth Questions to support creating number bonds to 100. No pictorial support. Numbers represented in numerals, words and bar models or part-whole models with further partitioning.
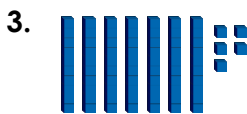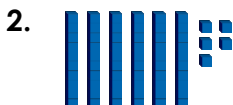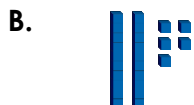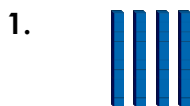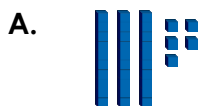
More Year 2 Addition and Subtraction resources.

Did you like this resource? Don't forget to review it on our website.
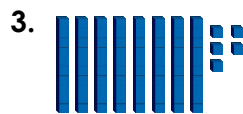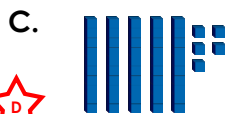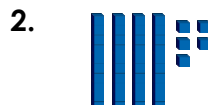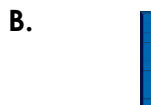
Bonds to 100 – Tens and Ones

1a. Connect the bonds to 100.

A.   1.

B.   2.

C.   3.
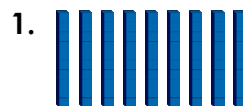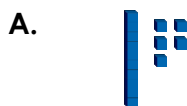
VF

2a. Absaar has made a bond to 100.

54	55	56
64	(65)	66
74	75	76

+

Is he correct?

VF

3a. Find 3 pairs of bonds to 100 in the grid below.

	80		85
95		75	

VF

4a. Circle the correct number to complete the bond to 100.

☐ + ☐ = 100

A.   B.   C.

VF

Bonds to 100 – Tens and Ones

1b. Connect the bonds to 100.

A.   1.

B.   2.

C.   3.

VF

2b. Holly-Mai has made a bond to 100.

+
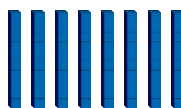
14	15	16
24	(25)	26
34	35	36

Is she correct?

VF

3b. Find 3 pairs of bonds to 100 in the grid below.

	25		70
90		65	

VF

4b. Circle the correct number to complete the bond to 100.

☐ + ☐ = 100

A.   B.   C.

VF

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Varied Fluency – Bonds to 100 – Tens and Ones – Year 2 Developing

Bonds to 100 – Tens and Ones

5a. Connect the bonds to 100.

A.

B. 58

C. sixty-one

1. twenty-six

2. 39

3.
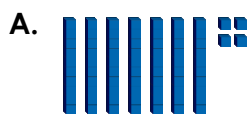
VF

5b. Connect the bonds to 100.

A.

B. 42

C. seventeen

1.

2. 83
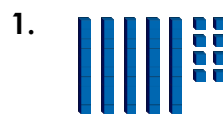
3. seventy-three

VF

6a. Daniel has made a bond to 100.

thirty-two   +
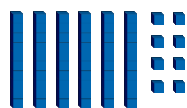
Is he correct?

VF

6b. Sasha has made a bond to 100.

5	6	7
15	⑯	17
25	26	27

+   94

Is she correct?

VF

7a. Find 3 pairs of bonds to 100 in the grid below.

| | sixty-three | | 87 |
| 75 | | sixty-seven | |

VF

7b. Find 3 pairs of bonds to 100 in the grid below.

| | twenty-two | | sixty-five |
| 89 | | 78 | |

VF

8a. Circle the correct number to complete the bond to 100.

  + [   ] = 100

A. 41   B. 51   C. 31

VF

8b. Circle the correct number to complete the bond to 100.

[   ] +   = 100

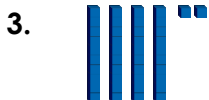A. 64   B. 36   C. 66

VF

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Varied Fluency – Bonds to 100 – Tens and Ones – Year 2 Expected

Bonds to 100 – Tens and Ones

Bonds to 100 – Tens and Ones

9a. Connect the bonds to 100.

A. sixteen

B. one ten and one one

C. twenty-one

1. seven tens and nine ones

2. eighty-four

3. eight tens and nine ones

VF

9b. Connect the bonds to 100.

A. three tens and seven ones

B. forty-three

C. thirty-three

1. six tens and three ones

2. six tens and seven ones

3. fifty-seven

VF

10a. Doha has made a bond to 100.

one one and four tens + forty-nine

Is she correct?

VF

10b. Adam has made a bond to 100.

six ones and three tens + six tens and four ones

Is he correct?

VF

11a. Find the 2 numbers that do not make a bond to 100 in the grid below.

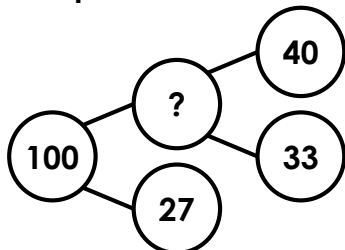| three tens and two ones	eight tens and nine ones
thirty-six	sixty-eight
eleven	five ones and six tens

VF

11b. Find the 2 numbers that do not make a bond to 100 in the grid below.

four ones and six tens	twenty-three
forty-six	thirty-three
seven tens and seven ones	three tens and six ones

VF

12a. Circle the correct number to complete the part-whole model.

100 — ? — 40, 33, 27

A. 83   B. 63   C. 73

VF

12b. Circle the correct number to complete the part-whole model.

100 — 48 — ?, 20, 52

A. 28   B. 18   C. 48

VF

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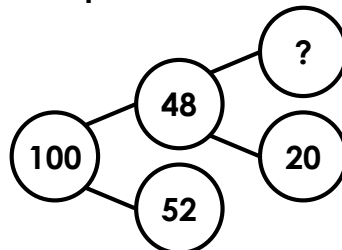
Varied Fluency – Bonds to 100 – Tens and Ones – Year 2 Greater Depth

Developing
1a. A – 2; B – 3; C – 1
2a. Absaar is incorrect because 65 + 45 is not a bond to 100. He needs 65 and 35 or 55 and 45 to be correct.
3a. 25 + 75; 80 + 20; 5 + 95
4a. B

Expected
5a. A – 1; B – 3; C – 2
6a. Daniel is correct.
7a. 37 + sixty-three; 25 + 75; 87 + 13
8a. A

Greater Depth
9a. A – 2; B – 3; C – 1
10a. Doha is incorrect because 41 + 49 is not a bond to 100. Doha needs 41 and 59 or 51 and 49 to be correct.
11a. thirty-six, five ones and six tens
12a. C

Developing
1b. A – 3; B – 1; C – 2
2b. Holly-Mai is incorrect because 80 + 25 is not a bond to 100. She needs 80 and 20 or 75 and 25 to be correct.
3b. 35 + 65; 10 + 90; 70 + 30
4b. A

Expected
5b. A – 3; B – 1; C – 2
6b. Sasha is incorrect because 16 + 94 is not a bond to 100. Sasha needs 16 and 84 or 6 and 94 to be correct.
7b. twenty-two + 78; 11 + 89, sixty-five + 35
8b. C

Greater Depth
9b. A – 1; B – 3; C – 2
10b. Adam is correct.
11b. forty-six, thirty-three
12b. A