Varied Fluency
Step 4: Related Facts

National Curriculum Objectives:

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

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

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 using related addition facts to 100.
Expected Questions to support using related addition and subtraction facts to 100.
Greater Depth Questions to support using related addition and subtraction facts beyond 100.

More resources which follow the same small steps as White Rose.

Did you like this resource? Don't forget to review it on our website.

Varied Fluency – Related Facts

1a. Fill in the missing number.

$2 + 3 = 5$

$20 + 30 = \underline{\ \ }$

VF

1b. Fill in the missing number.

$1 + 3 = 40$

$10 + 30 = \underline{\ \ }$

VF

2a. Fill in the missing number.
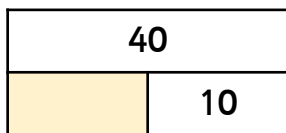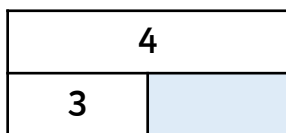
$5 = 1 + 4$

$50 = 10 + \underline{\ \ }$

VF

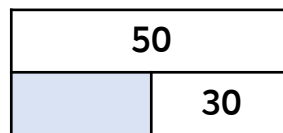## 2b. Fill in the missing number.

$3 = 1 + 2$

$30 = 10 + \underline{\ \ }$
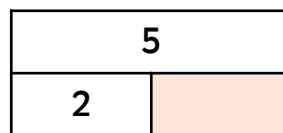
VF

3a. Complete the bar models below.

4	
3	

40	
	10

VF

3b. Complete the bar models below.

5	
2	

50	
	30

VF

4a. True or false?

I have 1 blue balloon and 3 green balloons. I have 4 balloons altogether.
So 10 add 30 must equal 40.

VF

4b. True or false?

I have 2 pink buttons and 8 black buttons. I have 10 buttons altogether.
So 20 add 80 must equal 10.

VF

Varied Fluency – Related Facts

5a. Fill in the missing number.

$$6 + 3 = 9$$
$$60 + 30 = \_\_$$

VF

5b. Fill in the missing number.

$$7 + 3 = 10$$
$$70 + 30 = \_\_$$

VF

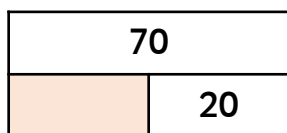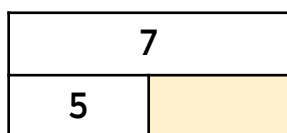**6a.** Fill in the missing number.

$$9 = 10 - 1$$
$$90 = 100 - \_\_$$

VF

6b. Fill in the missing number.

$$7 = 9 - 2$$
$$70 = 90 - \_\_$$

VF

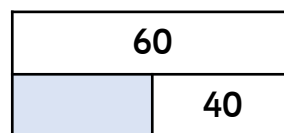**7a.** Complete the bar models below.

7	
5	

70	
	20

VF

7b. Complete the bar models below.

6	
2	

60	
	40
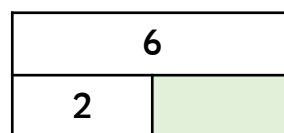
VF

8a. True or false?

I have 5 red sweets and 3 blue sweets. I have 8 sweets altogether.
So 50 add 30 must equal 80.

VF

8b. True or false?

I have 5 silver pens and 1 gold pen. I have 6 pens altogether.
So 50 add 10 must equal 60.

VF

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Varied Fluency – Related Facts – Year 2 Expected

Varied Fluency – Related Facts

9a. Fill in the missing number.

$$6 + 5 = 11$$
$$60 + 50 = \underline{}$$

VF

9b. Fill in the missing number.

$$7 + 5 = 12$$
$$70 + 50 = \underline{}$$

VF

10a. Fill in the missing number.
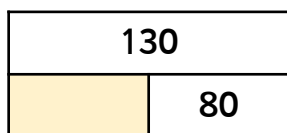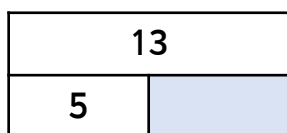
$$13 = 15 - 2$$
$$130 = 150 - \underline{}$$

VF

10b. Fill in the missing number.
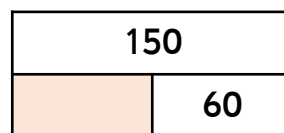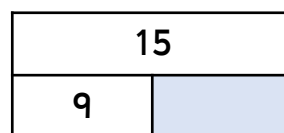
$$11 = 12 - 1$$
$$110 = 120 - \underline{}$$

VF

11a. Complete the bar models below.

13	
5	

130	
	80

VF

11b. Complete the bar models below.

15	
9	

150	
	60

VF

12a. True or false?

I have 9 purple flowers and 2 blue flowers. I have 11 flowers altogether.
So 90 add 20 must equal 111.

VF

12b. True or false?

I have 5 pink ice pops and 8 orange ice pops. I have 13 ice pops altogether.
So 50 add 80 must equal 130.

VF

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Varied Fluency – Related Facts

Developing
1a. **50**
1b. **40**
2a. **40**
2b. **20**
3a. **1, 30**
3b. **3, 20**
4a. **True**
4b. **False, 20 + 80 = 100**

Expected
5a. **90**
5b. **100**
6a. **10**
6b. **20**
7a. **2, 50**
7b. **4, 20**
8a. **True**
8b. **True**

Greater Depth
9a. **110**
9b. **120**
10a. **20**
10b. **10**
11a. **8, 50**
11b. **6, 90**
12a. **False**
12b. **True**

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