Varied Fluency
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:

Developing Questions to support number bonds to 50 – includes matching 3 pairs of numbers, using a frame to complete number sentences when 1 part and the whole is provided, and adding the missing part to a part whole model.
Expected Questions to support number bonds to 100 – includes matching 3 pairs of numbers, using a ten frame to complete number sentences when 1 part and the whole is provided, and adding the missing part to a part whole model.
Greater Depth Questions to support number bonds to 100 – includes matching 4 pairs of numbers, using a ten frame to complete number sentences with only the answer provided, and adding two missing numbers to a part whole model.

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 – Bonds to 100 (Tens)

1a. Match each number to its bond to 50.

20	0
50	40
10	30

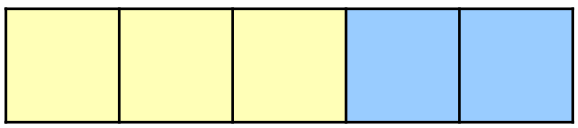
D VF

1b. Match each number to its bond to 50.

30	20
0	10
40	50

D VF

2a. Use the frame to complete the number sentences below.



3 + ☐ = 5

☐ + 20 = 50

D VF

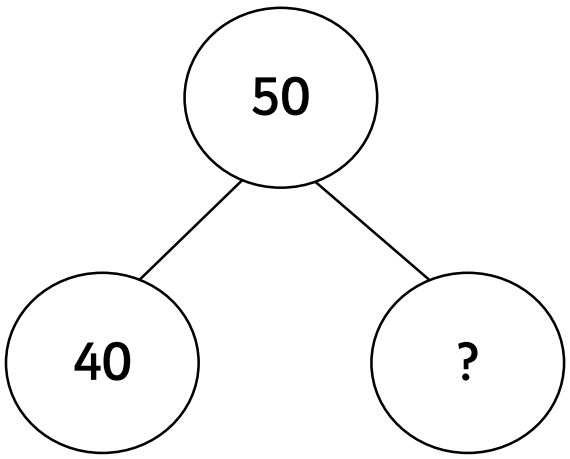
2b. Use the ten frame to complete the number sentences below.

☐ + 4 = 5

10 + ☐ = 50

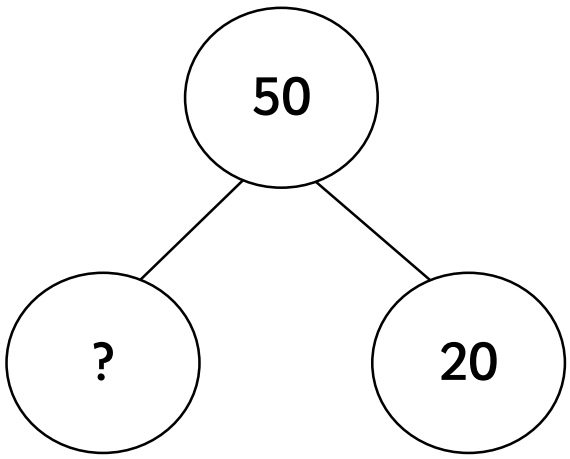
D VF

3a. Complete the part whole model below.



D VF

3b. Complete the part whole model below.



D VF

Varied Fluency – Bonds to 100 (Tens)

4a. Match each number to its bond to 100.

30	50
50	40
60	70

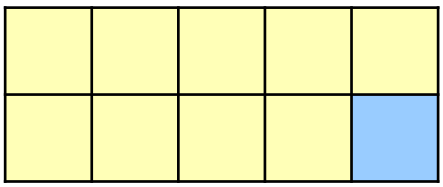
E VF

4b. Match each number to its bond to 100.

20	60
10	80
40	90

E VF

5a. Use the ten frame to complete the number sentences below.

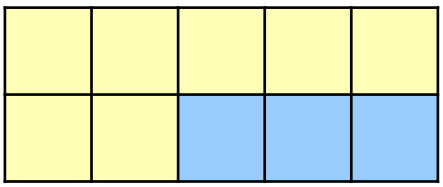


9 + ☐ = 10

☐ + 10 = 100

E VF

5b. Use the ten frame to complete the number sentences below.

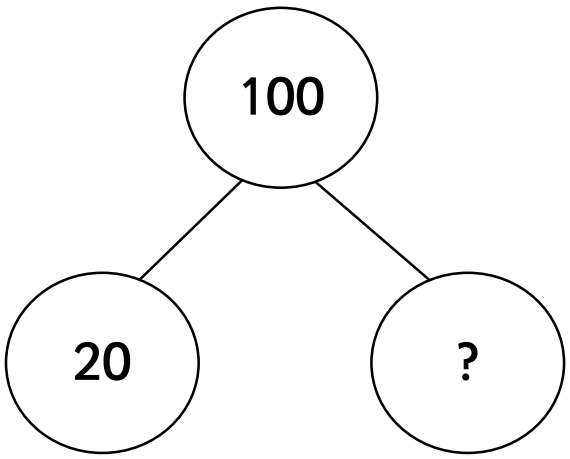


☐ + 3 = 10

70 + ☐ = 100

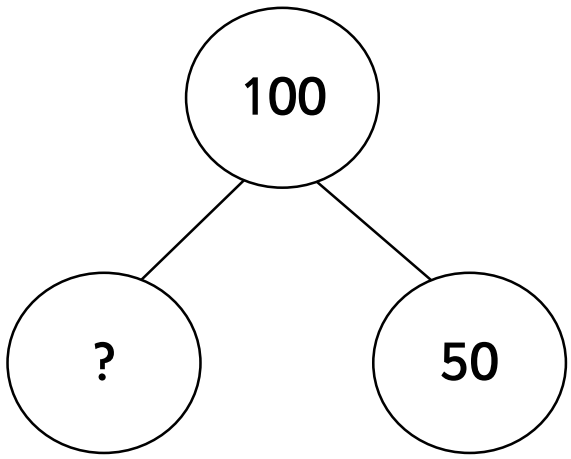
E VF

6a. Complete the part whole model below.



E VF

6b. Complete the part whole model below.



E VF

Varied Fluency – Bonds to 100 (Tens)

7a. Match each number to its bond to 100.

40	70
0	80
20	60
30	100

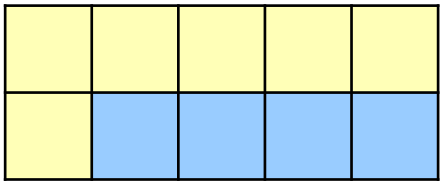
GD VF

7b. Match each number to its bond to 100.

60	50
90	20
80	40
50	10

GD VF

8a. Use the ten frame to complete the number sentences below.

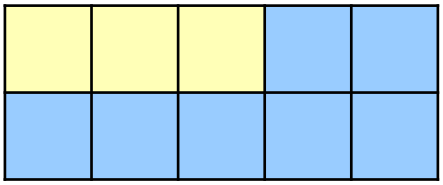


☐ + ☐ = 10

☐ + ☐ = 100

GD VF

8b. Use the ten frame to complete the number sentences below.

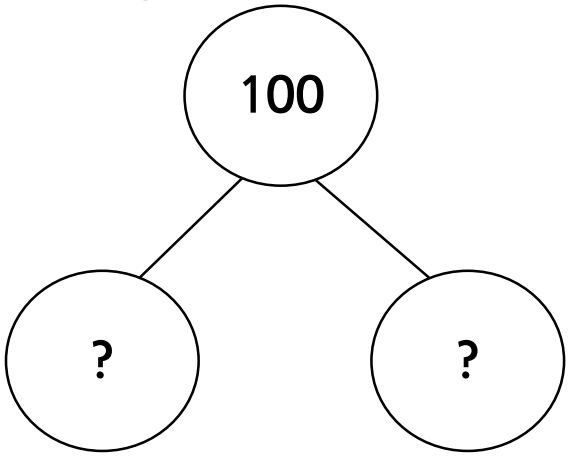


☐ + ☐ = 10

☐ + ☐ = 100

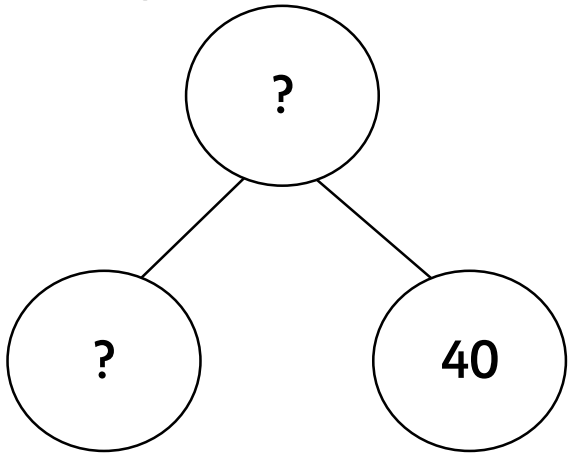
GD VF

9a. Complete the part whole model below to represent a bond to 100



GD VF

9b. Complete the part whole model below to represent a bond to 100



GD VF

Varied Fluency – Bonds to 100 (Tens)

Developing

1a. 20 and 30; 50 and 0; 10 and 40
1b. 30 and 20; 0 and 50; 40 and 10
2a. 3 + 2 = 5 & 30 + 20 = 50
2b. 1 + 4 = 5 & 10 + 40 = 50
3a. 10
3b. 30

Expected

4a. 30 and 70; 50 and 50; 60 and 40
4b. 20 and 80; 10 and 90; 40 and 60
5a. 9 + 1 = 10 & 90 + 10 = 100
5b. 7 + 3 = 10 & 70 + 30 = 100
6a. 80
6b. 50

Greater Depth

7a. 40 and 60; 0 and 100; 20 and 80; 30 and 70
7b. 60 and 40; 90 and 10; 80 and 20; 50 and 50
8a. 6 + 4 = 10 & 60 + 40 = 100
8b. 3 + 7 = 10 & 30 + 70 = 100
9a. Various possible answers, for example: 0 and 100; 10 and 90; 20 and 80; 30 and 70; 40 and 60; 50 and 50.
9b. 60 is the missing part and 100 is the missing whole.