

Varied Fluency – Make a Whole

National Curriculum Objectives:

Mathematics Year 4: (4F6b) [Recognise and write decimal equivalents of any number of tenths or hundredths](#)

Mathematics Year 4: (4F10b) [Solve simple measure and money problems involving fractions and decimals to two decimal places](#)

Differentiation:

Developing Questions to support making a whole (1) using tenths.

Expected Questions to support making a whole (1) using hundredths and tenths.

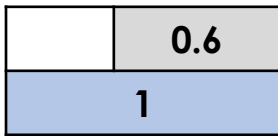
Greater Depth Questions to support making a whole (greater than 1) using hundredths and tenths.

More [Year 4 Decimals](#) resources.

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

Make a Whole

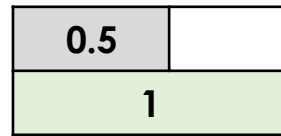
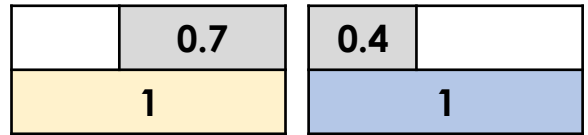
1a. Find the missing number in each bar model.



VF

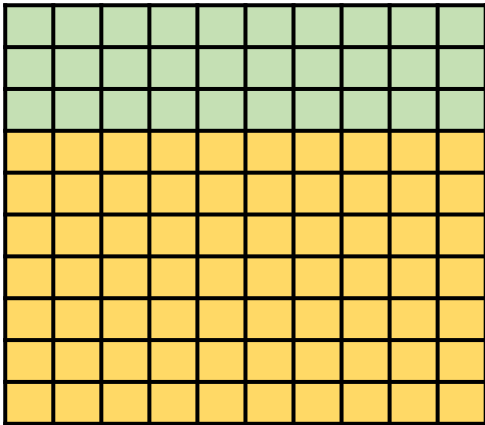
Make a Whole

1b. Find the missing number in each bar model.



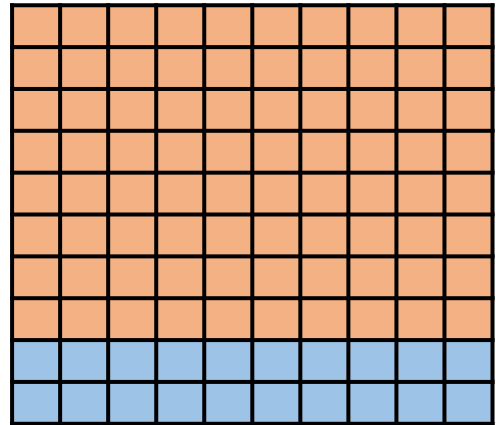
VF

2a. Write statements to describe this hundred square.



VF

2b. Write statements to describe this hundred square.



VF

3a. You have 2 tenths. Draw a bar model to find how many more tenths you need to make one whole.



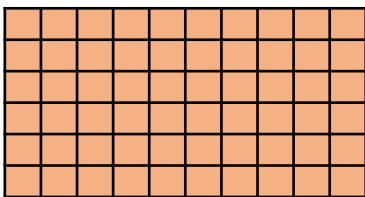
VF

3b. You have 4 tenths. Draw a bar model to find how many more tenths you need to make one whole.



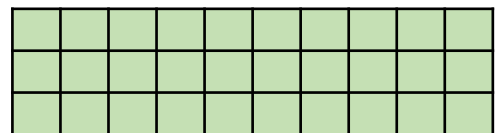
VF

4a. How many more tenths do you need to make one whole?



VF

4b. How many more tenths do you need to make one whole?



VF

5a. True or false?

$$7 \text{ tenths} + 2 \text{ tenths} + 1 \text{ tenth} = 1$$



VF

5b. True or false?

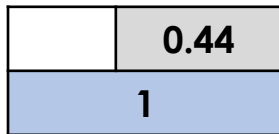
$$2 \text{ tenths} + 3 \text{ tenths} + 4 \text{ tenths} = 1$$



VF

Make a Whole

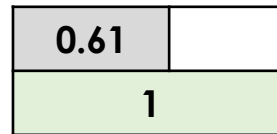
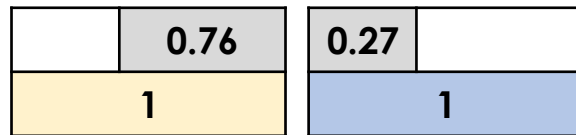
6a. Find the missing number in each bar model.



VF

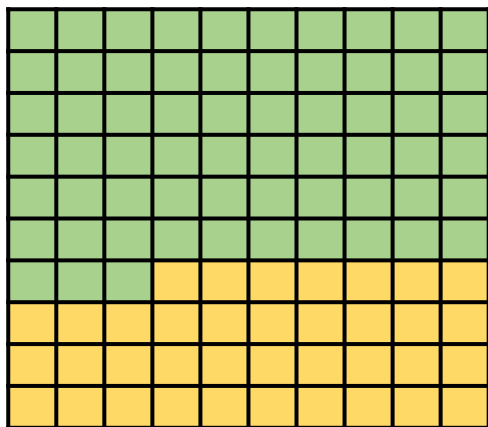
Make a Whole

6b. Find the missing number in each bar model.



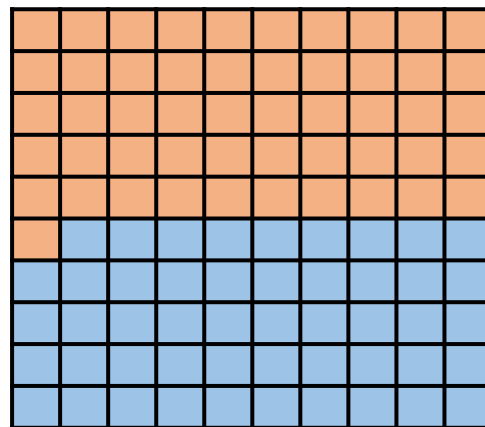
VF

7a. Write statements to describe this hundred square.



VF

7b. Write statements to describe this hundred square.



VF

8a. You have 3 tenths and 6 hundredths. Draw a bar model to find how many more hundredths you need to make one whole.



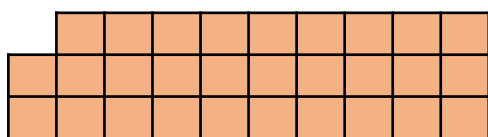
VF

8b. You have 5 tenths and 7 hundredths. Draw a bar model to find how many more hundredths you need to make one whole.



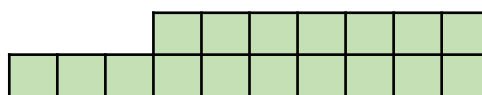
VF

9a. How many more hundredths do you need to make one whole?



VF

9b. How many more hundredths do you need to make one whole?



VF

10a. True or false?

6 tenths and 1 hundredth and 4 tenths and 9 hundredths make one whole.



VF

10b. True or false?

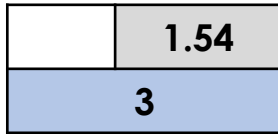
4 tenths and 2 hundredths and 5 tenths and 8 hundredths make one whole.



VF

Make a Whole

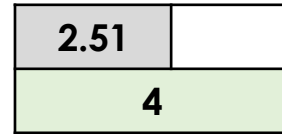
11a. Find the missing number in each bar model.



VF

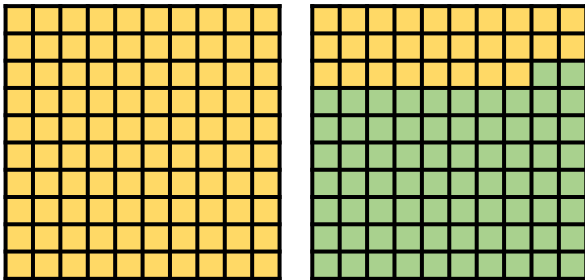
Make a Whole

11b. Find the missing number in each bar model.



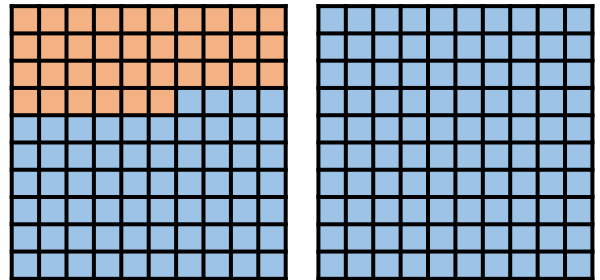
VF

12a. How many hundredths are coloured in? Write statements to describe these hundred squares.



VF

12b. How many hundredths are coloured in? Write statements to describe these hundred squares.



VF

13a. You have 5 tenths and 16 hundredths. Draw a bar model to find how many more hundredths you need to make one whole.



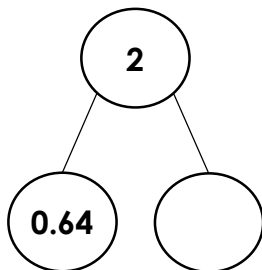
VF

13b. You have 7 tenths and 21 hundredths. Draw a bar model to find how many more hundredths you need to make one whole.



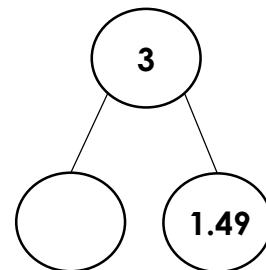
VF

14a. Complete the part whole model.



VF

14b. Complete the part whole model.



VF

15a. True or false?

4 tenths and 60 hundredths make one whole.



VF

15b. True or false?

8 tenths and 2 hundredths make one whole.



VF

Varied Fluency Make a Whole

Developing

1a. 0.8, 0.1, 0.4

2a. $0.3 + 0.7 = 1$, $0.7 + 0.3 = 1$, $1 - 0.3 = 0.7$,
 $1 - 0.7 = 0.3$

3a. 8 tenths (0.8)

4a. 4

5a. True

Expected

6a. 0.65, 0.17, 0.56

7a. $0.37 + 0.63 = 1$, $0.63 + 0.37 = 1$, $1 - 0.37$
 $= 0.63$, $1 - 0.63 = 0.37$

8a. 64 hundredths (0.64)

9a. 71

10a. False, it makes one whole and 1
tenth.

Greater Depth

11a. 1.56, 0.37, 1.46

12a. $1.28 + 0.72 = 2$, $0.72 + 1.28 = 2$, $2 -$
 $1.28 = 0.72$, $1 - 0.72 = 1.28$

13a. 34 hundredths (0.34)

14a. 1.36

15a. True

Varied Fluency Make a Whole

Developing

1b. 0.3, 0.6, 0.5

2b. $0.2 + 0.8 = 1$, $0.8 + 0.2 = 1$, $1 - 0.2 = 0.8$,
 $1 - 0.8 = 0.2$

3b. 6 tenths (0.6)

4b. 7

5b. False, it makes 9 tenths

Expected

6b. 0.24, 0.73, 0.39

7b. $0.51 + 0.49 = 1$, $0.49 + 0.51 = 1$, $1 - 0.51$
 $= 0.49$, $1 - 0.49 = 0.51$

8b. 43 hundredths (0.43)

9b. 83

10b. True

Greater Depth

11b. 0.39, 2.28, 1.49

12b. $0.36 + 1.64 = 2$, $1.64 + 0.36 = 2$, $2 - 0.36$
 $= 1.64$, $2 - 1.64 = 0.36$

13b. 9 hundredths (0.09)

14b. 1.51

15b. False, it makes 82 hundredths.