White Rose Maths

1 The hundred square represents 1 whole.

What fraction of each hundred square is shaded?

a)

$\dfrac{2}{10}$

b)

$\dfrac{5}{10}$

c)

$\dfrac{7}{10}$

d)
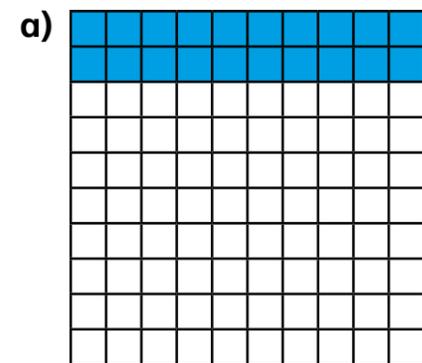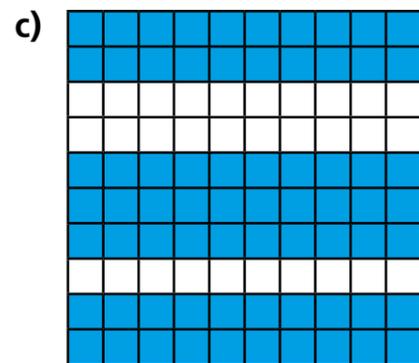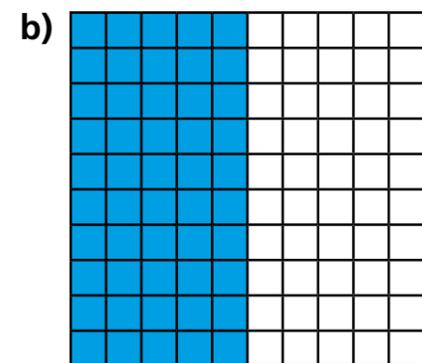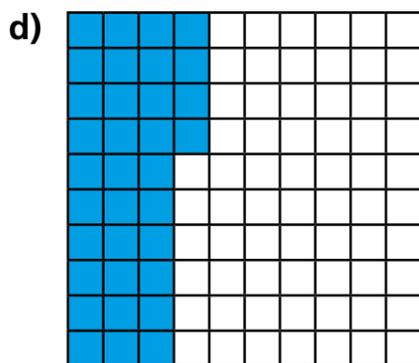
$\dfrac{34}{100}$

2 Here is a hundred square.
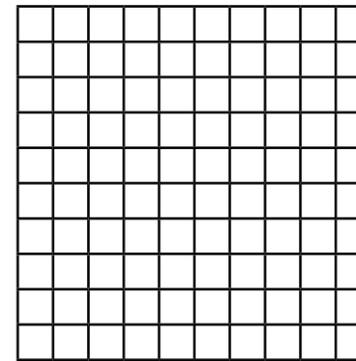
What fraction of the whole does each represent?

a) 4 full rows = $\dfrac{4}{10}$

b) 6 full columns = $\dfrac{6}{10}$

c) 13 squares = $\dfrac{13}{100}$

d) 2 full rows and 5 squares = $\dfrac{25}{100}$

e) 3 full columns and 8 squares = $\dfrac{38}{100}$

3 Complete the sentences.

a) 4 tenths is equivalent to $\boxed{40}$ hundredths.

b) 70 hundredths is equivalent to $\boxed{7}$ tenths.

c) 5 tenths is equivalent to $\boxed{50}$ hundredths or 1 __half__

4

One row is one tenth and one column is one tenth, so if I colour one row and one column on my hundred square I will have shown 2 tenths.
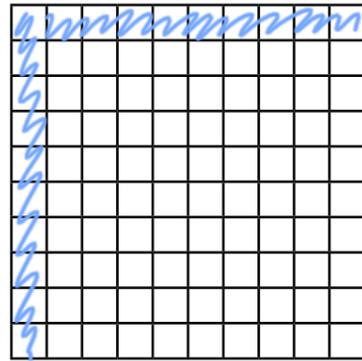
Is Dexter correct? __No__

Explain your answer.

You may use the hundred square to help you.

There are only 19 squares coloured in not 20

5 Tick the hundred squares with $\frac{23}{100}$ shaded.
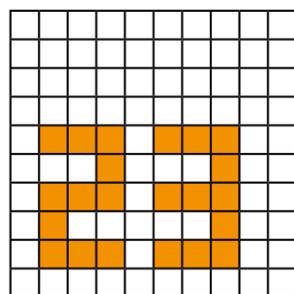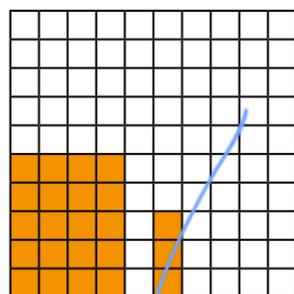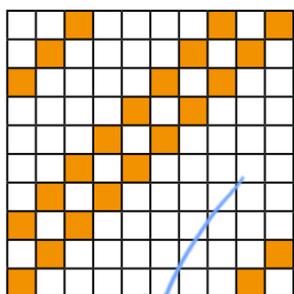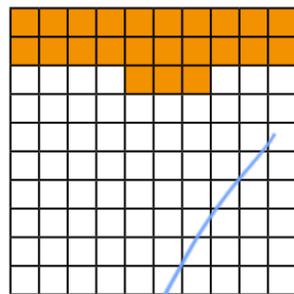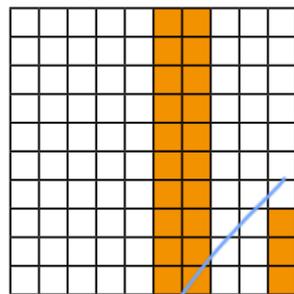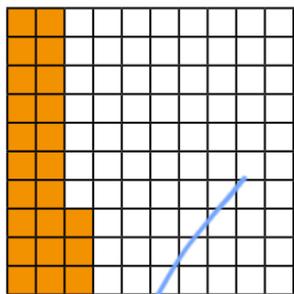
6 Complete the part-whole models.

a)
$\frac{23}{100}$
$\frac{2}{10}$ $\frac{3}{100}$

b)
$\frac{47}{100}$
$\frac{4}{10}$ $\frac{7}{100}$

c)
$\frac{39}{100}$
$\frac{3}{10}$ $\frac{9}{100}$

d)
$\frac{20}{100}$
$\frac{2}{10}$ $\frac{0}{100}$

7
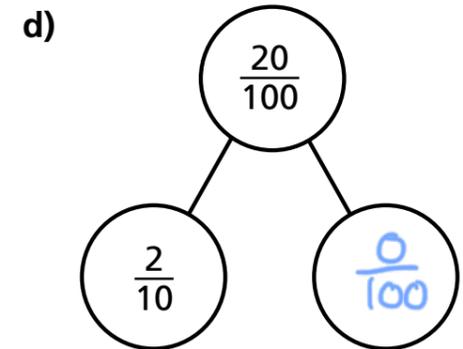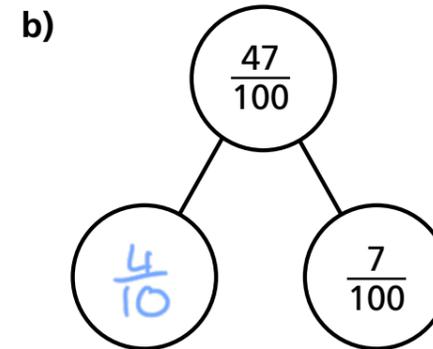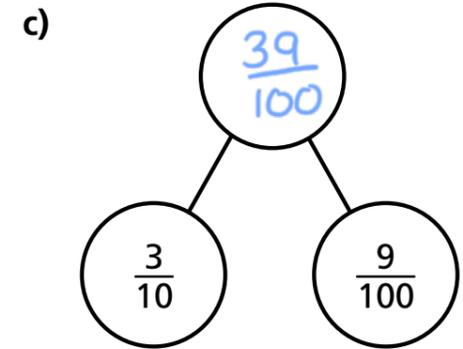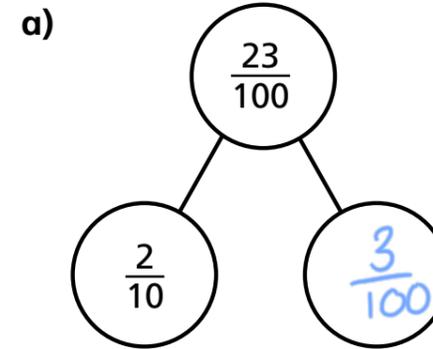
Annie: $\frac{73}{100} = \frac{7}{10} + \frac{3}{100}$

Ron: $\frac{73}{100} = \frac{6}{10} + \frac{13}{100}$

Who is correct? __Both__

How many ways can you partition $\frac{73}{100}$?

$\frac{73}{100} = \frac{5}{10} + \frac{23}{100}$ $\frac{73}{100} = \frac{3}{10} + \frac{43}{100}$ $\frac{73}{100} = \frac{1}{10} + \frac{63}{100}$

$\frac{73}{100} = \frac{4}{10} + \frac{33}{100}$ $\frac{73}{100} = \frac{2}{10} + \frac{53}{100}$