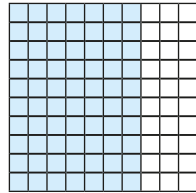
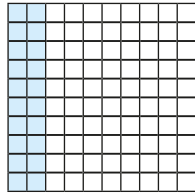
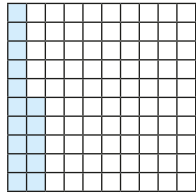


Represent tenths and hundredths as diagrams

1 Match the representation to the fraction.



2 tenths

70 hundredths

15 hundredths

2 Represent the fractions on hundred squares.

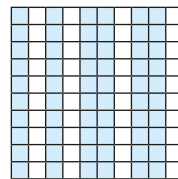
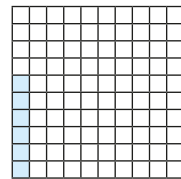
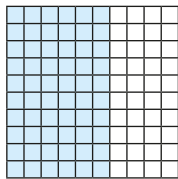
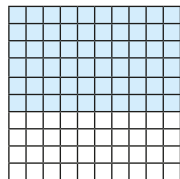
a) 3 tenths

b) 30 hundredths

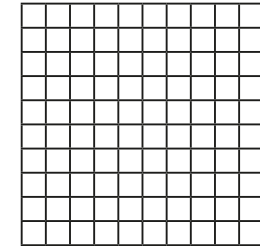
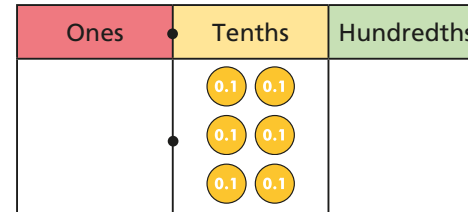
What do you notice? Discuss with a partner.

3 Huan uses a hundred square to represent 60 hundredths.

Which of the diagrams could represent this?



4 Shade the grids so that each representation shows the same number.

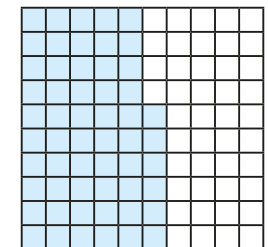
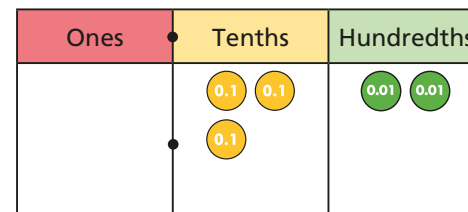


5 Complete the sentences.

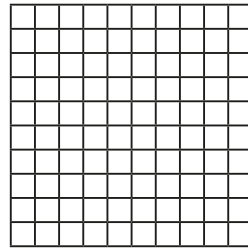
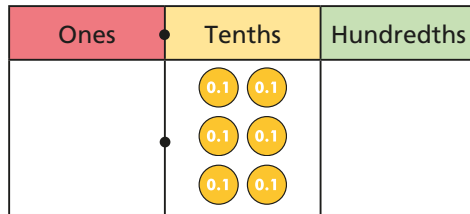
a) You need to shade squares on a hundred square to represent $\frac{23}{100}$

b) You need to shade squares on a hundred square to represent $\frac{7}{10}$

6 Complete the place value chart so that it is equivalent to the shaded hundred square.



4 Shade the grids so that each representation shows the same number.



7 Teddy shades $\frac{6}{10}$ on a hundred square.

Eva shades $\frac{4}{100}$ on a hundred square.

Jack shades $\frac{16}{100}$ on a hundred square.

What is the range of the number of squares they have shaded?

5 Complete the sentences.

a) You need to shade squares on a hundred square to represent $\frac{23}{100}$

b) You need to shade squares on a hundred square to represent $\frac{7}{10}$



8 Alex shades a hundredths on a hundred square.

Rosie shades b hundredths on a hundred square.

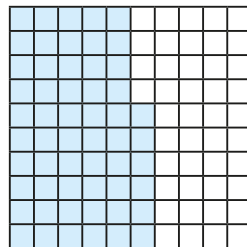
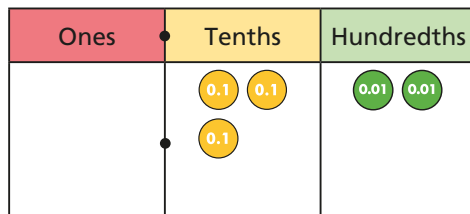
Rosie has shaded 40 more squares than Alex.

a) Write possible values for a and b .

b) What is the maximum number of squares Alex could have shaded?



6 Complete the place value chart so that it is equivalent to the shaded hundred square.



9 Dora shades a grid using three colours.

She shades the grid in the following way.

Colour	Red	Blue	Green
Fraction shaded	$\frac{3}{10}$	$\frac{5}{10}$	$\frac{7}{100}$

How many hundredths of the grid are not shaded?

