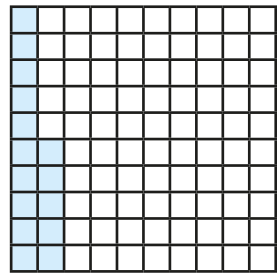
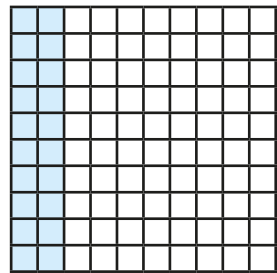


Represent tenths and hundredths as diagrams

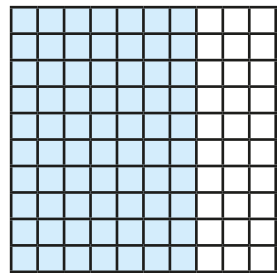
1 Match the representation to the fraction.



2 tenths



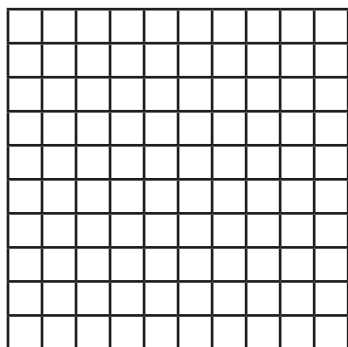
70 hundredths



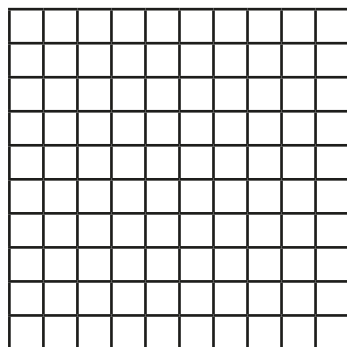
15 hundredths

2 Represent the fractions on the hundred squares.

a) 3 tenths



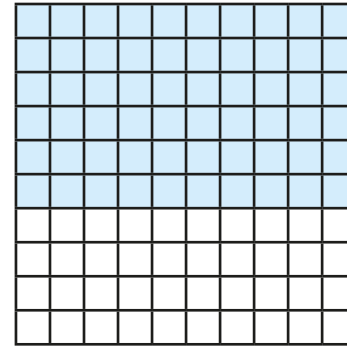
b) 30 hundredths

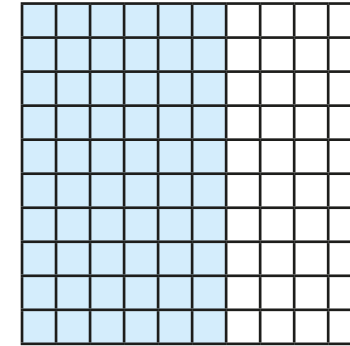


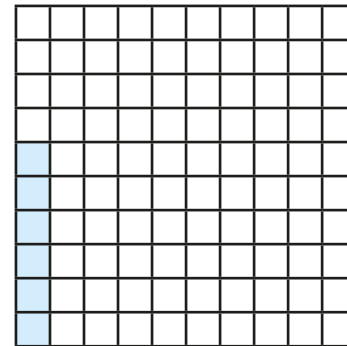
What do you notice? Discuss with a partner.

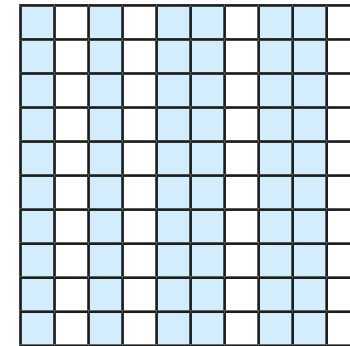


3 Huan uses a hundred square to represent 60 hundredths.
Tick the diagrams that represent this.

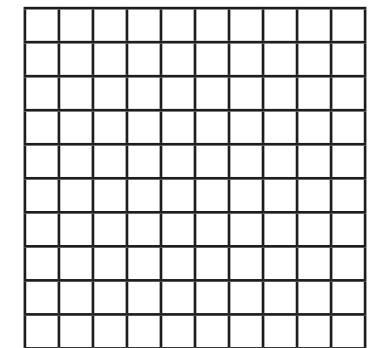
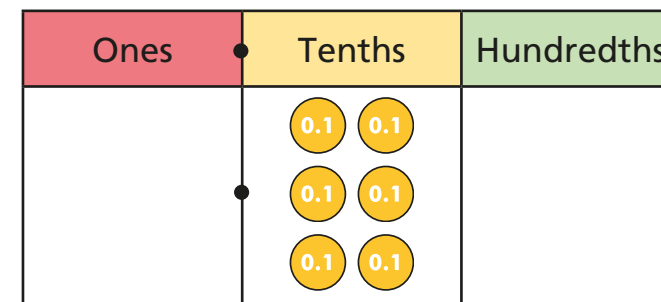








4 Shade the grids so that each representation shows the same number.





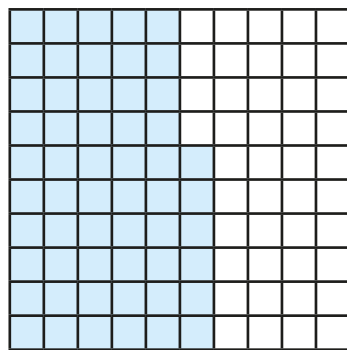
5 Complete the sentences.

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.

Ones	Tenths	Hundredths
	<div style="display: flex; justify-content: space-around;"> 0.1 0.1 </div> <div style="display: flex; justify-content: center; margin-top: 10px;"> 0.1 </div>	<div style="display: flex; justify-content: space-around;"> 0.01 0.01 </div>



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?

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 .

$$a = \text{} \quad b = \text{}$$

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

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?

