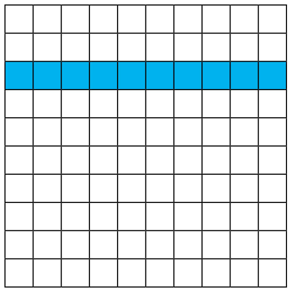
1) Complete the sentences to match each grid.

a) There are ______ squares shaded out of ______.

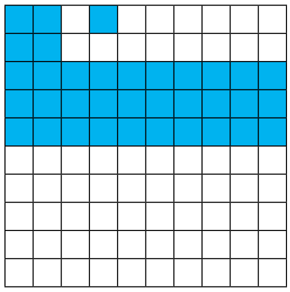
There is______ row shaded out of ______

The shaded area represents $\frac{\square}{\square}$ or $\frac{\square}{\square}$

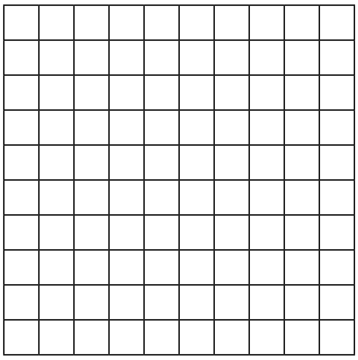


b) There are ______ squares shaded out of ______.

The shaded area represents $\frac{\square}{\square}$

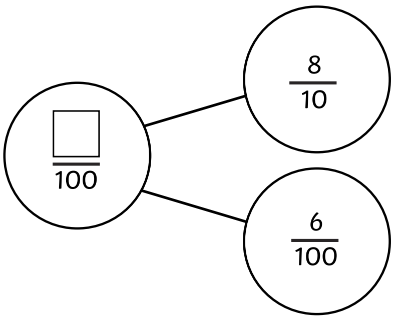


2) Shade the grid and circle the answers that match the statement:
70 squares shaded is the same as:



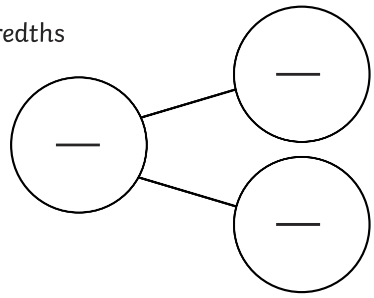
$\frac{70}{100}$ $\frac{7}{100}$ $\frac{70}{10}$ $\frac{7}{10}$

3) Complete the part-whole model.

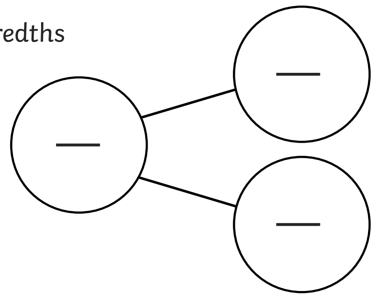


4) Use the part–whole model to partition the fractions into tenths and hundredths.

a) 95 hundredths



b) 30 hundredths



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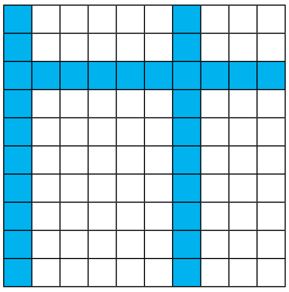
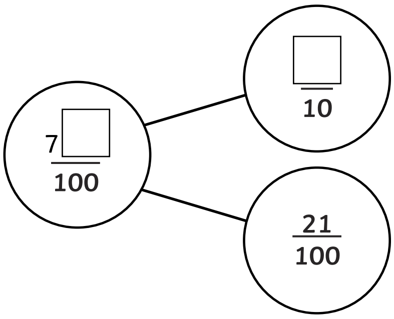
1) Greg is explaining what this grid shows. Is he correct? Explain your answer.



There are two columns and one row shaded which represents $\frac{3}{10}$ or $\frac{30}{100}$

2) What is missing? Explain your reasoning.



3) Who has the most? Explain your answer. Can you use a diagram to explain?

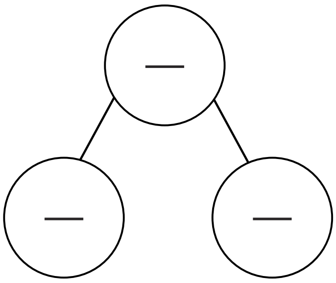
Dylan

I have sixty eight hundredths.

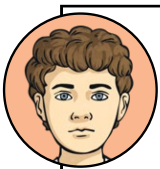
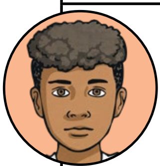
Roisin

I have eight hundredths and six tenths.

1) Find 10 ways you can to partition twenty-three hundredths using part-whole models like this one.



2) Read each child's statement and write in the correct fraction that matches.

 Craig	My fraction has five tenths.	
 Lois	My fraction is greater than $\frac{57}{100}$.	
 Ted	My fraction has fifty four hundredths.	
 Raj	My fraction can be partitioned into $\frac{5}{10}$ and $\frac{5}{100}$.	
 Gina	My fraction can be partitioned into $\frac{26}{100}$ and $\frac{3}{10}$.	

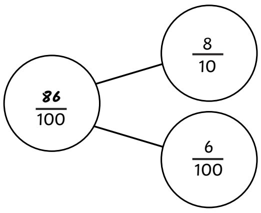
$\frac{54}{100}$ $\frac{57}{100}$ $\frac{56}{100}$ $\frac{59}{100}$ $\frac{55}{100}$

1) a) There are **10** squares shaded out of **100**.
There is **1** row shaded out of **10**.
The shaded area represents $\frac{10}{100}$ or $\frac{1}{10}$.

b) There are **35** squares shaded out of **100.**
The shaded area represents $\frac{35}{100}$.

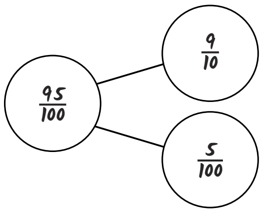
2) The number square should have any 70 squares shaded. The circled fractions should be $\frac{70}{100}$ and $\frac{7}{10}$.

3)

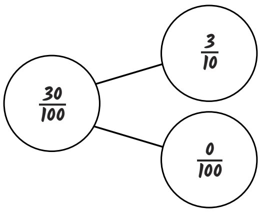


4)

a)



b)



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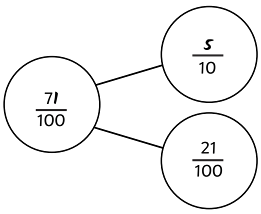
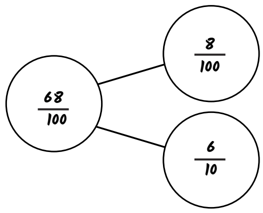
1) *Greg is incorrect as even though it looks like two columns of 10 and one row of 10 are shaded, which makes a total of 30, some of the individual squares appear in both the row and the columns so have been counted twice. If you count the squares individually, there is actually only 28 shaded so this image represents $\frac{28}{100}$ not $\frac{30}{100}$.*

2)



The whole part has $\frac{7}{10}$ ($\frac{70}{100}$). If you subtract the $\frac{2}{10}$ ($\frac{20}{100}$) from the $\frac{7}{10}$, you're left with $\frac{5}{10}$. Therefore, 5 is missing digit in the $\frac{\ }{100}$ fraction. To calculate the missing digit from $\frac{7}{100}$, I can see that there are $\frac{21}{100}$, which means the missing digit must be 1.

3) *Neither has more as they both have the same. Sixty eight hundredths written as a fraction is $\frac{68}{100}$. Eight hundredths as a fraction is written as $\frac{8}{100}$ and six tenths written as a fraction is $\frac{6}{10}$, which is the same as $\frac{60}{100}$. If you recombine, then $\frac{60}{100} + \frac{8}{100} = \frac{68}{100}$.*



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1) *Here are 10 possible answers:*

$\frac{2}{10}$ *and* $\frac{3}{100}$, $\frac{1}{10}$ *and* $\frac{13}{100}$, $\frac{22}{100}$ *and* $\frac{1}{100}$, $\frac{21}{100}$ *and* $\frac{2}{100}$, $\frac{19}{100}$ *and* $\frac{4}{100}$, $\frac{18}{100}$ *and* $\frac{5}{100}$, $\frac{17}{100}$ *and* $\frac{6}{100}$, $\frac{16}{100}$ *and* $\frac{7}{100}$, $\frac{15}{100}$ *and* $\frac{8}{100}$, $\frac{14}{100}$ *and* $\frac{9}{100}$

2)

Craig	My fraction has five tenths.	$\frac{57}{100}$
Lois	My fraction is greater than $\frac{57}{100}$.	$\frac{59}{100}$
Ted	My fraction has fifty four hundredths.	$\frac{54}{100}$
Raj	My fraction can be partitioned into $\frac{5}{10}$ and $\frac{5}{100}$.	$\frac{55}{100}$
Gina	My fraction can be partitioned into $\frac{26}{100}$ and $\frac{3}{10}$.	$\frac{56}{100}$