

Diving into Mastery



$$\begin{array}{r} 345 \\ \times 75 \\ \hline 1725 \\ 24150 \\ \hline 25875 \end{array}$$



Tenths and Hundredths

twinkl

Aim

- Recognise and show, using diagrams, families of common equivalent fractions.



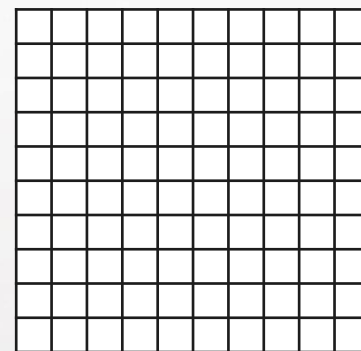


Look at this grid. Complete the sentences to match the grid.

Each little square is 1 out of **100** and represents the fraction $\frac{\text{1}}{\text{100}}$.

Each column is **1** out of **10** and represents the fraction $\frac{\text{1}}{\text{10}}$.

The columns and rows can also be represented as **10** out of 100 or $\frac{\text{10}}{\text{100}}$.





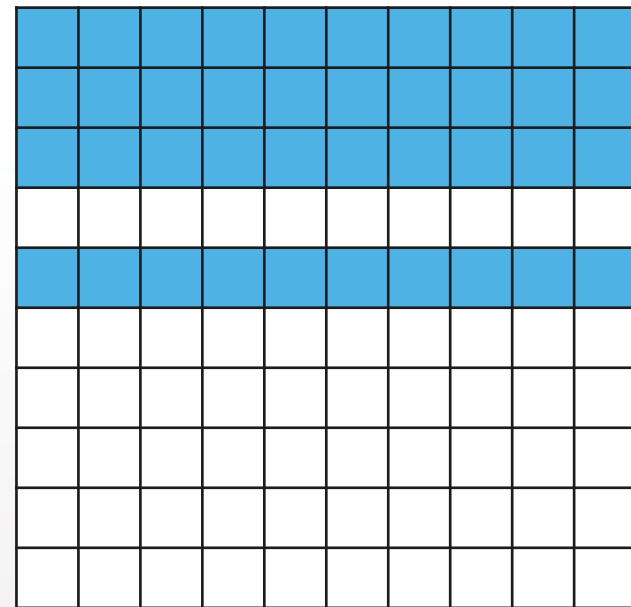
Look at this grid. Complete the sentences to match the grid.

There are **40** squares shaded out of 100.

This represents $\frac{40}{100}$.

There are **4** rows shaded out of 10.

This represents $\frac{4}{10}$.

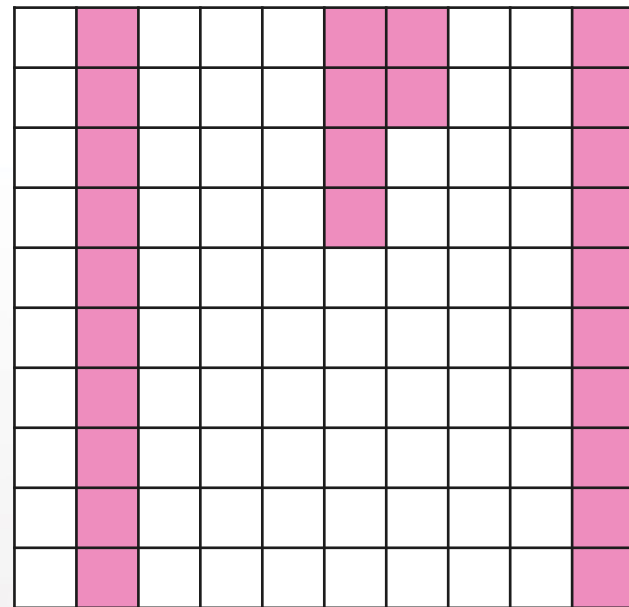




Look at this grid. Complete the sentences to match the grid.

There are **26** squares shaded out of 100.

This represents $\frac{26}{100}$.



Tenths and Hundredths

Diving



Choose the correct fraction to match the statement.
How do you know you have chosen the correct one?

On my hundred square, 5 rows have been shaded plus 4 extra squares.

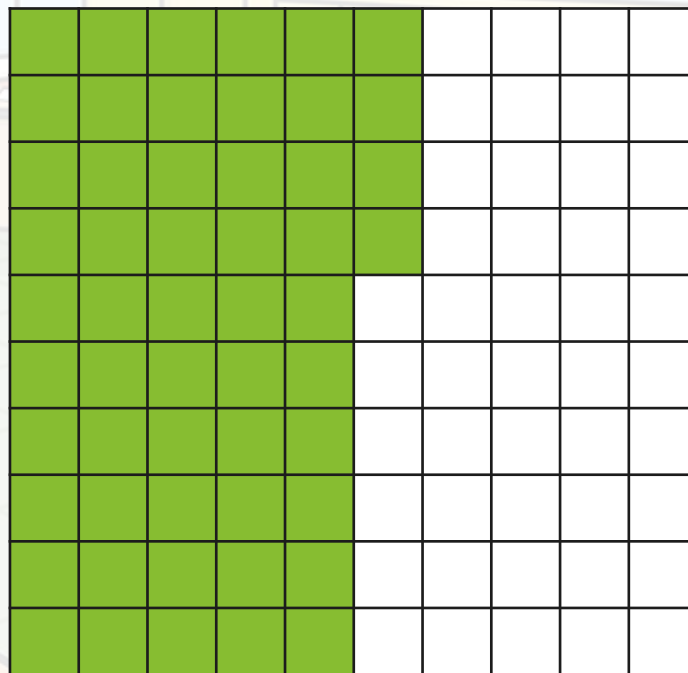
$$\frac{45}{10}$$

$$\frac{45}{100}$$

$$\frac{54}{100}$$

$$\frac{54}{10}$$

It has be this one as 5 rows of 10 is 50.
If you add on the 4 extra, that gives
you 54 out of 100.

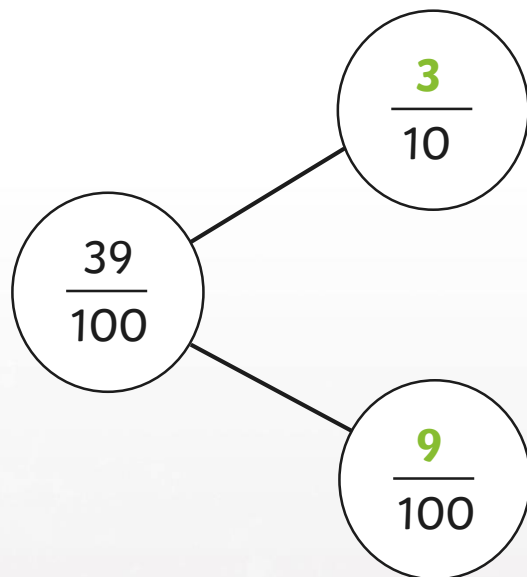


Tenths and Hundredths

Diving



Complete the part-whole model.



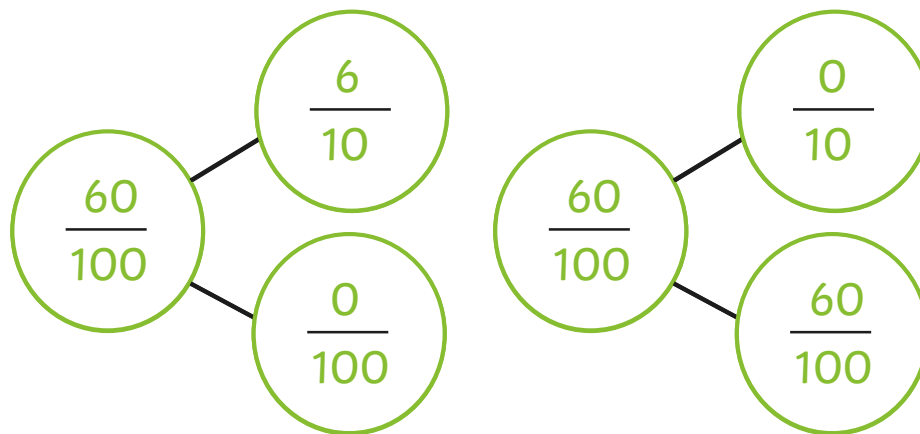
Tenths and Hundredths

Diving

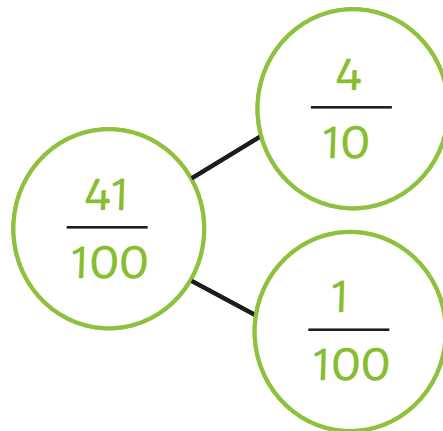


Use the part-whole model to partition the fractions.

a) 60 hundredths

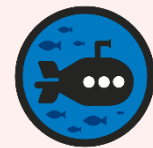


b) 41 hundredths

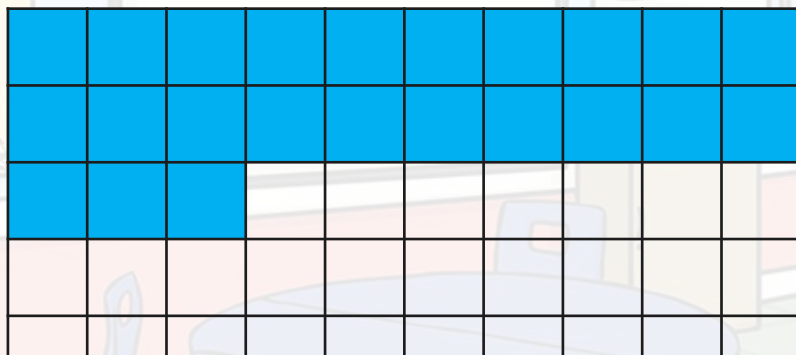


Tenths and Hundredths

Deeper



Mandeep is explaining what this grid shows. Is she correct? Explain your answer.



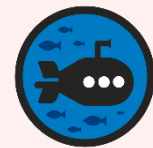
There are two rows and 3 extra squares shaded which represents $\frac{23}{10}$.

Mandeep is incorrect. There are 23 shaded squares but it does not represent $\frac{23}{10}$, it represents 23 hundredths. This would be written as $\frac{23}{100}$.

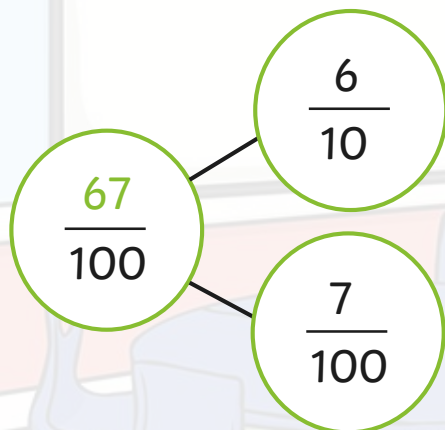


Tenths and Hundredths

Deeper



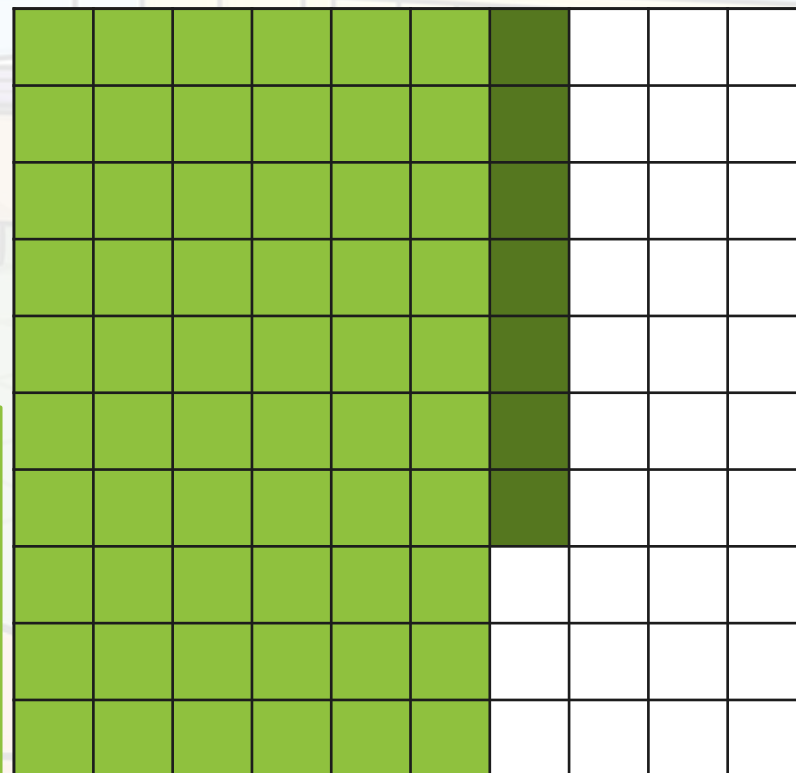
What is missing? Explain your reasoning.



$\frac{67}{100}$ is missing because $\frac{6}{10}$ represents 6 rows of 10 squares shaded, which makes 60 squares, and $\frac{7}{100}$ represents 7 individual squares shaded. $60 + 7 = 67$.

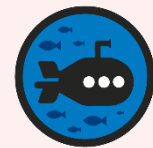
$$\frac{6}{10}$$

$$\frac{67}{100} \quad \frac{7}{100}$$



Tenths and Hundredths

Deeper



Who has the least? Explain your answer.

I have 5 hundredths and 3 tenths.

I have fifty three hundredths.

$$\frac{3}{10}$$

$$\frac{35}{100}$$

$$\frac{5}{100}$$

Jenny has the least because she has $\frac{35}{100}$.

Jenny

Dhruv has $\frac{53}{100}$.

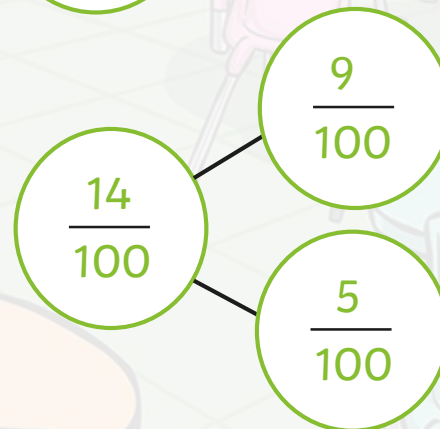
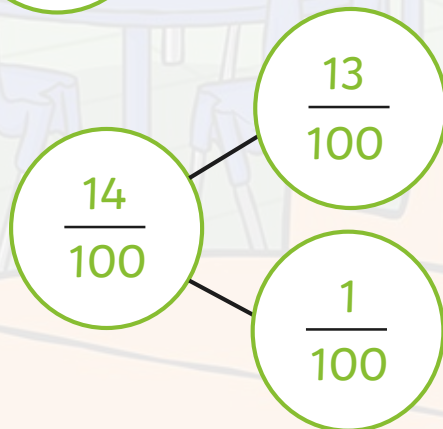
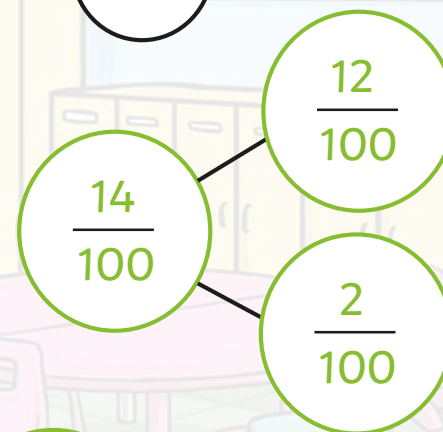
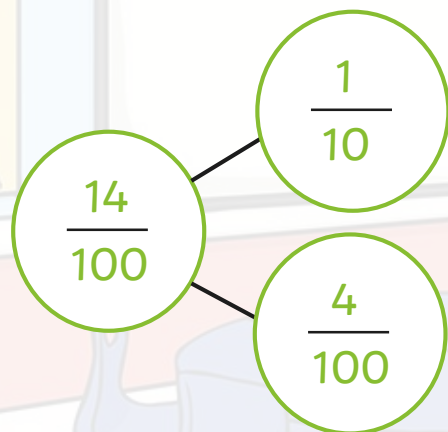
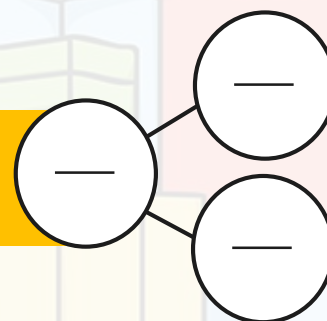
Dhruv

Tenths and Hundredths

Deepest



Find 5 different ways to partition fourteen-hundredths using this part-whole model.



Tenths and Hundredths

Deepest



Read each child's statement and match them to the correct fraction.

$$\frac{78}{100}$$

$$\frac{68}{100}$$

$$\frac{8}{100}$$

Gabby

My fraction has some tenths and eight hundredths.

Zia

My fraction has six tenths.

Mateus

My fraction has no tenths.