



$$\begin{array}{r} 345 \\ + 95 \\ \hline 440 \\ + 41067 \\ \hline 4567 \\ + 104 \\ \hline \end{array}$$



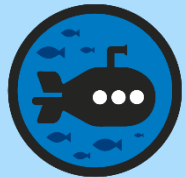
Tenths and Hundredths

Diving into Mastery Guidance for Educators

Each activity sheet is split into three sections, diving, deeper and deepest, which are represented by the following icons:



Diving



Deeper



Deepest

These carefully designed activities take your children through a learning journey, initially ensuring they are fluent with the key concept being taught; then applying this to a range of reasoning and problem-solving activities.

These sheets might not necessarily be used in a linear way. Some children might begin at the 'Deeper' section and in fact, others may 'dive straight in' to the 'Deepest' section if they have already mastered the skill and are applying this to show their depth of understanding.

Aim

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



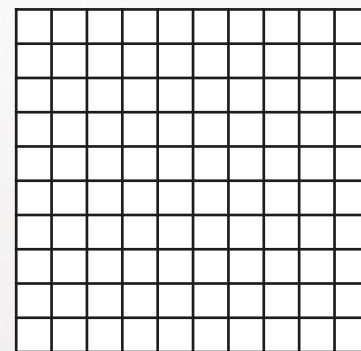


Look at this grid. Complete the sentences to match the grid.

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

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

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





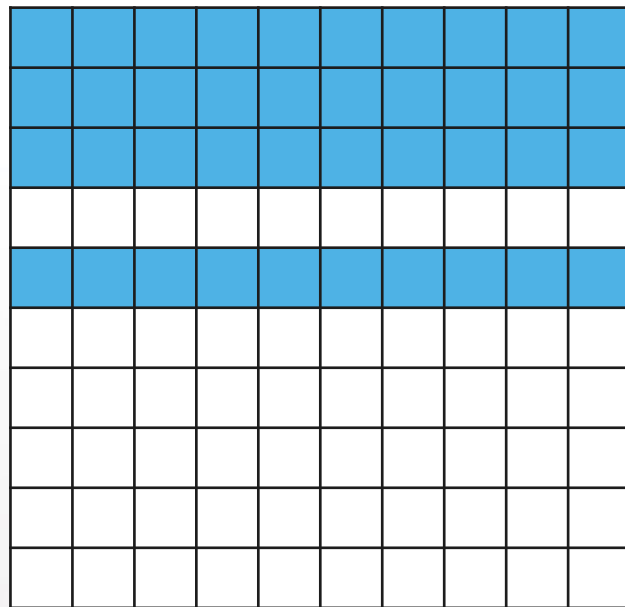
Look at this grid. Complete the sentences to match the grid.

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

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

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

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



Tenths and Hundredths

Diving



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

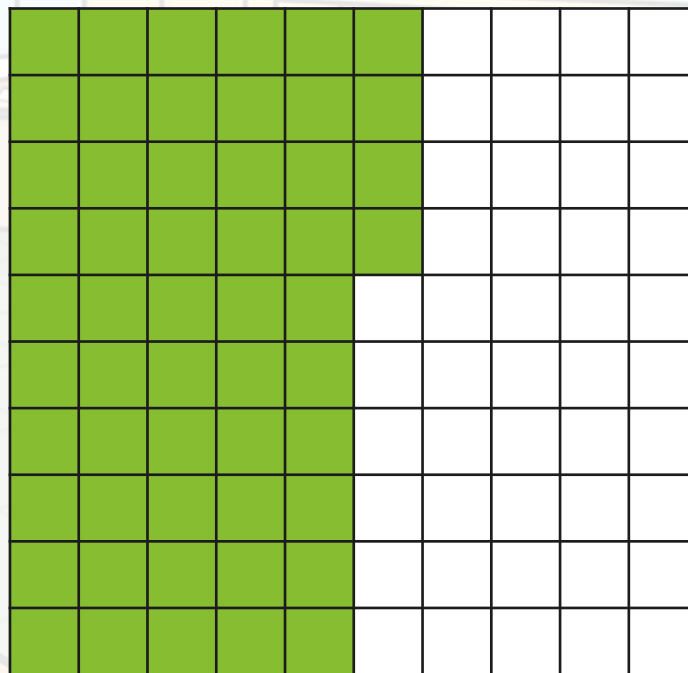
On my hundred square, 5 rows have been shaded plus 4 extra squares.

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

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

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

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



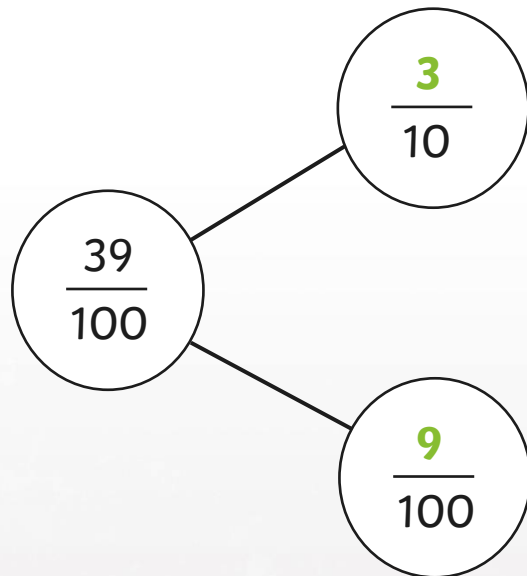
It has be this one as 5 rows of 10 is 50.
If you add on the 4 extra, that gives
you 54 out of 100.

Tenths and Hundredths

Diving



Complete the part-whole model.



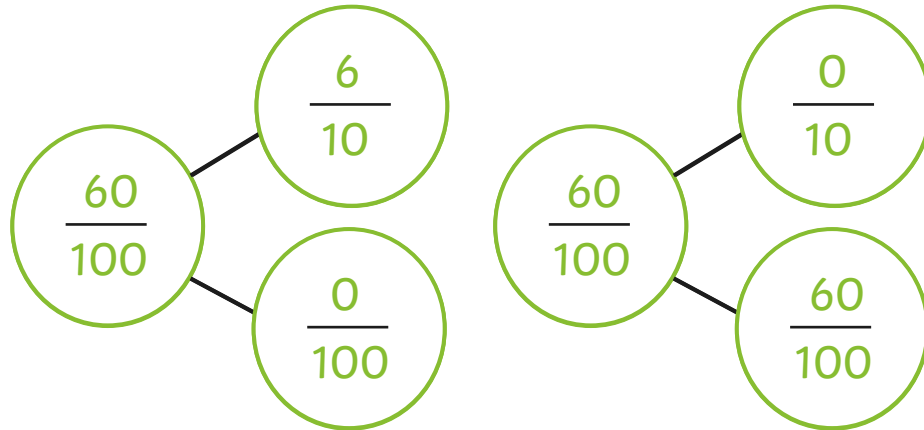
Tenths and Hundredths

Diving

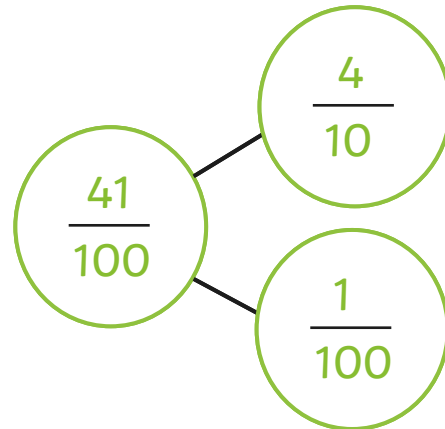


Use the part-whole model to partition the fractions.

a) 60 hundredths



b) 41 hundredths

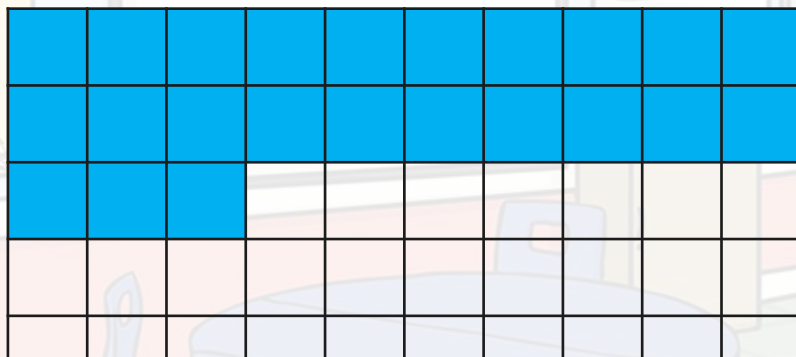


Tenths and Hundredths

Deeper



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



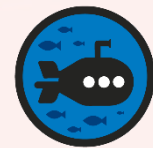
There are two rows and 3 extra squares shaded which represents $\frac{23}{10}$.

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 $\frac{23}{100}$.



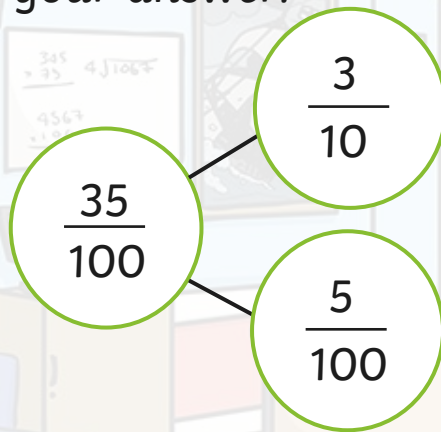
Tenths and Hundredths

Deeper



Who has the least? Explain your answer.

I have 5 hundredths and 3 tenths.



I have fifty three hundredths.

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

Jenny

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

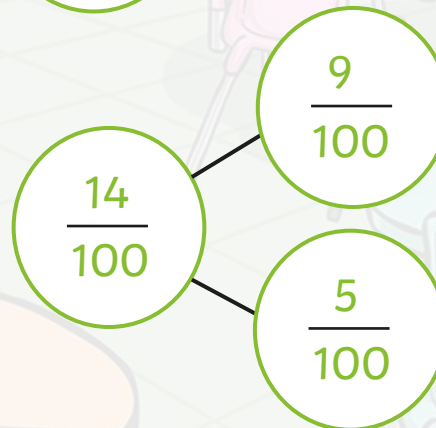
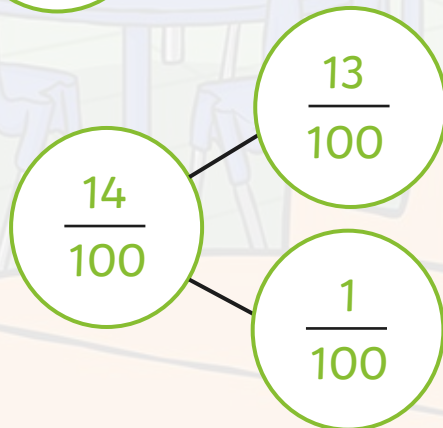
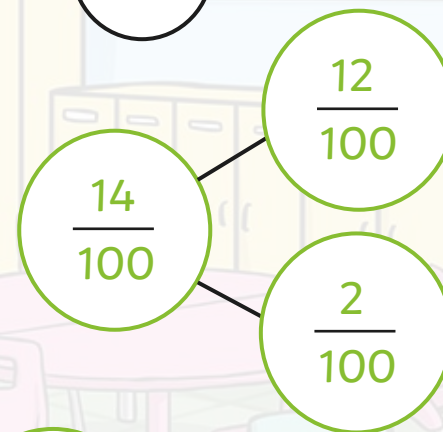
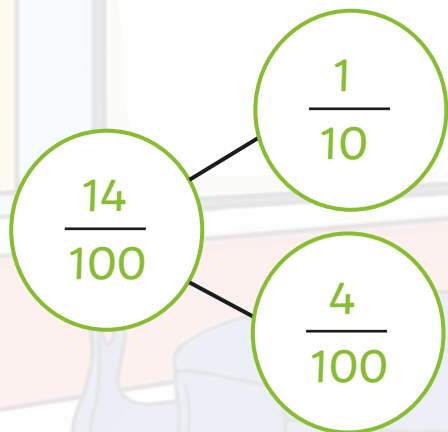
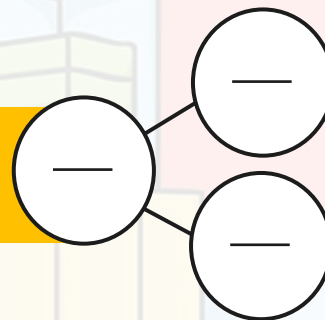
Dhruv

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

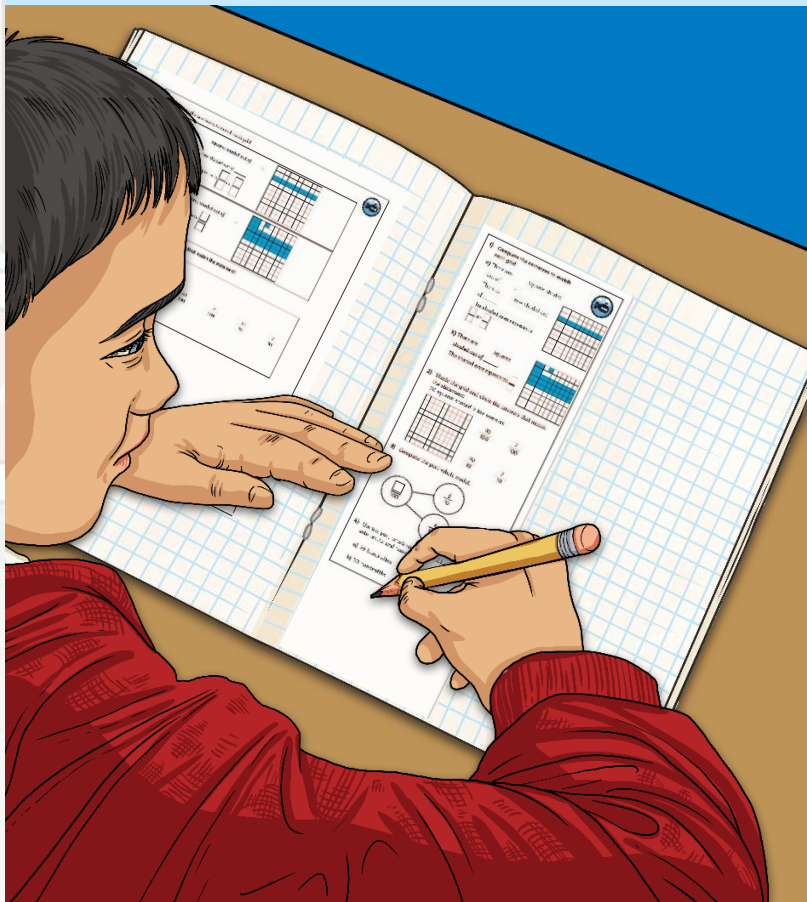
My fraction has six tenths.

Mateus

My fraction has no tenths.

Tenths and Hundredths

Dive in by completing your own activity!



1) Find 10 squares shaded out of 100.

1) Greg is eating a chocolate bar. The bar is divided into 100 squares. 10 squares are shaded.

2) What is the shaded area? $\frac{7}{100}$

2) Read each statement and write the fraction that represents the shaded area.

3) Who has the shaded area? $\frac{7}{100}$

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.

$\frac{8}{10}$
 $\frac{6}{100}$

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

a) 95 hundredths

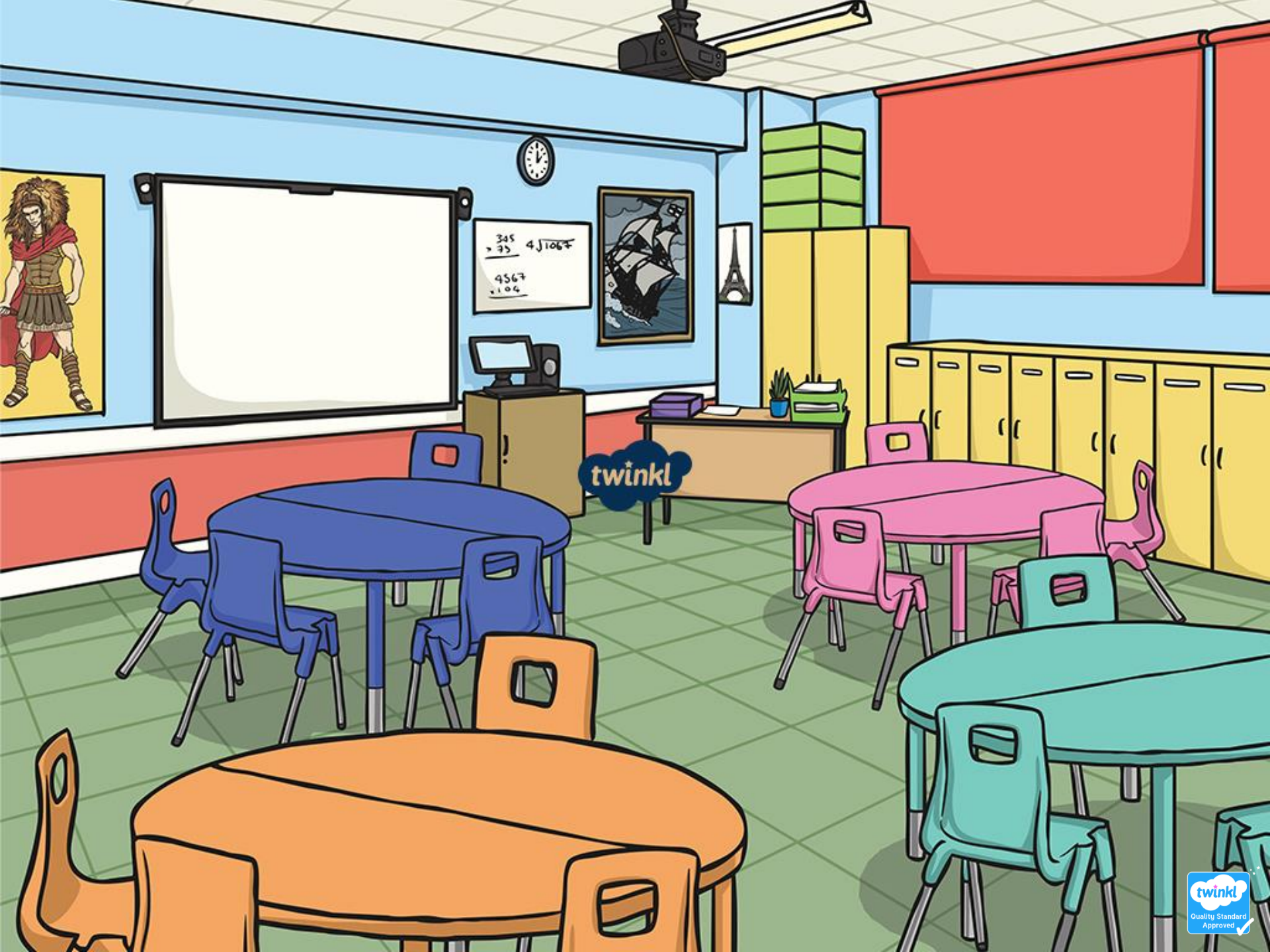
b) 30 hundredths

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