## Maths - Year 3

## Lesson $\mid$

## Unit and non-unit fractions

Pleas e watch the video before choo sing your challenge. Why not have a go at the reasoning and problem solving?

There's a fine line between a numerator and a denominator.

Only a fraction of people will find this funny.


## w/b 27.4.20 Class 3's Home Learning, Maths (Y3)

Do I understand unit and non-unit fractions?

## Challenge I

These pages do not need to be printed out. Please write the short date you do the work and the above question in your maths book, underlining them with a ruler. Remember to write the question number too!

1) Write fractions to complete the sentences.

Please write the full sentences in your maths book.
Which is the unit fraction? How do you know?
a) of the counters are yellow.
b) of the counters are red.
2) Write fractions to complete the sentences.

Please write the full sentences in your maths book.
Which is the unit fraction? How do you know?
a) $\square$ of the tower is green.
b)

c)

3) What fraction of each shape is shaded? Put $a^{*}$ beside the unit fraction in each pair.
a)

b)

$\square$

c)

d)

$\square$

e) $\square$ $\square$

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Do I understand unit and non-unit fractions?

## Challenge 2

These pages do not need to be printed out. Please write the short date you do the work and the above question in your maths book, underlining them with a ruler. Remember to write the question number too!
${ }^{* * *}$ If you watch the video, when it says to pause and have a go at questions 1 and 2, this refers to the first two questions in Challenge 1.

1) Draw these shapes in your maths book.
a) Colour $\frac{1}{5}$ of each shape.

b) Colour $\frac{3}{5}$ of each shape.


What is the same and what is different about your answers? Remember to use 'unit fraction' and 'non-unit fraction' when writing your explanation.
2) Draw the arrays in your maths book.
a) Circle $\frac{1}{3}$ of the counters.

b) Circle $\frac{2}{3}$ of the counters.


What is the same and what is different about your answers?
3) Create the table in your maths book.

Write the fractions in the table.

| $\frac{1}{6}$ | $\frac{2}{3}$ $\frac{3}{4}$ <br> $\frac{3}{5}$ $\frac{1}{10}$ <br>  $\frac{1}{8}$ | 4 |
| :---: | :---: | :---: |


| Unit fractions | Non-unit fractions |
| :--- | :---: |
|  |  |
|  |  |
|  |  |

[^0]4) Write and complete the sentences in your maths book.

An example of a unit fraction is $\square$

An example of a non-unit fraction is $\square$

The numerator is always greater than $\square$
w/b 27.4.20 Class 3's Home Learning, Maths (Y3)
Do I understand unit and non-unit fractions?
Reasoning and problem solving
Please write the short date you do the work and the above question in your maths book, underlining them with a ruler. Remember to write the question number too.

1) Please write your answer in your maths book.

## True or False?


$\frac{1}{3}$ of the shape is shaded.
2) Create this table in your maths book and then sort the fractions into it

|  | Fractions <br> equal to <br> one whole | Fractions <br> less than <br> one whole |
| :---: | :---: | :---: |
| Unit <br> fractions |  |  |
| Non-unit <br> fractions |  |  |


| $\frac{3}{4}$ | $\frac{3}{5}$ | $\frac{1}{3}$ | $\frac{1}{4}$ | $\frac{2}{2}$ | $\frac{4}{4}$ | $\frac{2}{5}$ | $\frac{1}{2}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |

Are there any empty boxes in the table? Why?

## Reasoning and Problem Solving




| True or False? | False, one quarter <br> is shaded. Ensure <br> when counting the <br> parts of the whole <br> that children also <br> count the shaded <br> part. |
| :--- | :--- |


[^0]:    Write two more examples of your own in each column.

