25.01.2021 – ANSWERS To understand unit and non-unit fractions Challenge Sheet

Use this sheet **WHEN** you've completed the main worksheet and want a challenge. Remember to use your blue book if you have it to show your workings. The questions were resourced from White Rose Maths.

1.

Sort the fractions into the table.

	Fractions equal to one whole	Fractions less than one whole
Unit fractions		
Non-unit fractions		

Are there any boxes in the table empty? Why?

$\frac{3}{4}$	$\frac{3}{5}$	$\frac{1}{3}$	$\frac{1}{4}$	$\frac{2}{2}$	$\frac{4}{4}$	$\frac{2}{5}$	$\frac{1}{2}$

Sort the fractions into the table.

	Fractions equal to one whole	Fractions less than one whole
Unit fractions		$\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{2}$
Non-unit fractions	$\frac{2}{2}$ $\frac{4}{4}$	$\frac{3}{4}$ $\frac{3}{5}$ $\frac{2}{5}$

Are there any boxes in the table empty? Why?

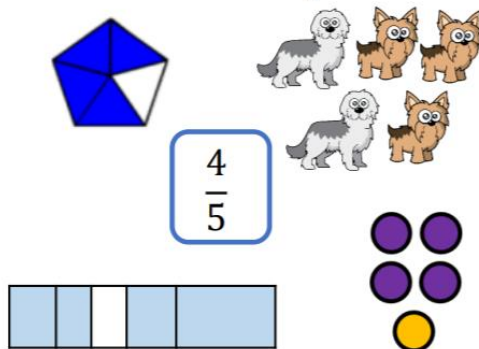| $\frac{3}{4}$	$\frac{3}{5}$	$\frac{1}{3}$	$\frac{1}{4}$	$\frac{2}{2}$	$\frac{4}{4}$	$\frac{2}{5}$	$\frac{1}{2}$

2.

True or False?

$\frac{1}{3}$ of the shape is shaded.

The diagram represents $\frac{1}{4}$ so the statement is incorrect.

3.

Which representations of $\frac{4}{5}$ are incorrect?

$\frac{4}{5}$

Explain how you know.

There are 2 incorrect representations.

The animals could represent $\frac{2}{5}$ or $\frac{3}{5}$

Although the bar model diagram shows 4 blue parts and 1 white part, they are not shared equally.