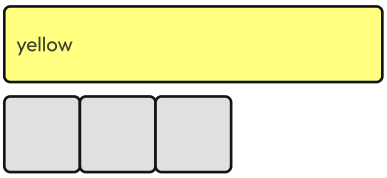
Name _____ Date _____

Writing Fractions

PART 1 Many unit fractions

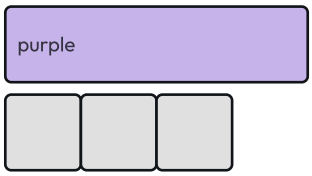
Example



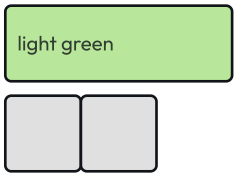
The whole is the **yellow** rod. 5 whites fit in it, so one white is $\frac{1}{5}$ of yellow.

Three whites are $\frac{1}{5} + \frac{1}{5} + \frac{1}{5}$, that is three fifths. We write $\frac{3}{5}$.

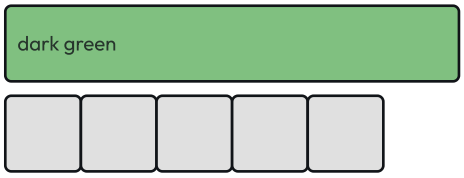
1 The top rod is the whole. Lay white rods on it and answer: what part of the whole is one white, and what part are all the whites in the drawing together?



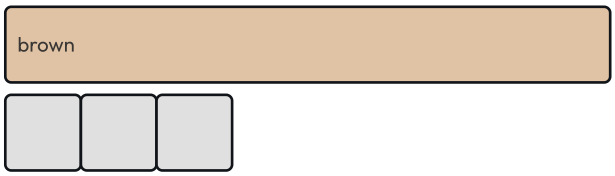
One white: $\frac{\square}{\square}$ All whites together: $\frac{\square}{\square}$



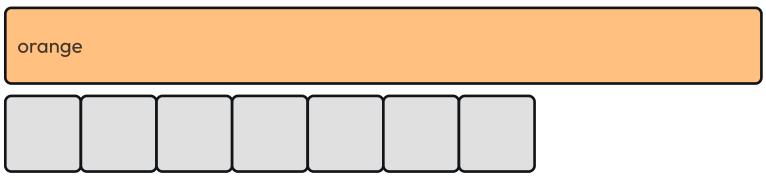
One white: $\frac{\square}{\square}$ All whites together: $\frac{\square}{\square}$



One white: $\frac{\square}{\square}$ All whites together: $\frac{\square}{\square}$



One white: $\frac{\square}{\square}$ All whites together: $\frac{\square}{\square}$



One white: $\frac{\square}{\square}$ All whites together: $\frac{\square}{\square}$

Name _____ Date _____

Remember

$\frac{a}{b}$ **numerator** a: the number of parts we choose

fraction bar

denominator b: the number of equal parts the whole is divided into

1. The fraction $\frac{a}{b}$ means **a of b equal parts** of the whole.
2. **The denominator b** is the number of equal parts the whole is divided into.
3. **The numerator a** is the number of parts of the whole we choose.
4. The fraction $\frac{a}{b}$ is made of **a unit fractions** $\frac{1}{b}$.

PART 2 Numerator and denominator

2 The whole is the **orange** rod. What part of the whole is each rod below? Check with white rods.

	WHITES	FRACTION	SUM OF UNIT FRACTIONS
orange		1	
light green	____	$\frac{\square}{\square}$	_____
purple	____	$\frac{\square}{\square}$	_____
black	____	$\frac{\square}{\square}$	_____
blue	____	$\frac{\square}{\square}$	_____

3 The orange rod is the whole. Fill in: orange = $\frac{\square}{\square}$ = 1

Remember

5. One whole is made of **b unit fractions** $\frac{1}{b}$: $\frac{b}{b}$ = 1.

Names (pair) _____ Date _____

4 Fill in.

$1 = \frac{\square}{2} = \frac{\square}{5} = \frac{\square}{8} = \frac{\square}{12}$

PART 3 Colour and write

5 Colour the given part of each rod.

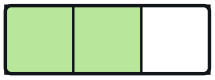
$\frac{3}{4}$ 

$\frac{5}{6}$ 

$\frac{2}{5}$ 

$\frac{7}{8}$ 

6 What part of the rod is coloured? Write the fraction, the numerator and the denominator.



$\frac{\square}{\square}$ Numerator: ____ Denominator: ____



$\frac{\square}{\square}$ Numerator: ____ Denominator: ____



$\frac{\square}{\square}$ Numerator: ____ Denominator: ____



$\frac{\square}{\square}$ Numerator: ____ Denominator: ____

7 In pairs: **Student A** says a fraction less than or equal to 1, with a denominator up to 10. **Student B** builds it with rods: the whole and the part. Student A checks, then swap roles.

	FRACTION	WHOLE (COLOUR)	PART (COLOURS)	RIGHT?
1.	$\frac{\square}{\square}$			
2.	$\frac{\square}{\square}$			
3.	$\frac{\square}{\square}$			
4.	$\frac{\square}{\square}$			