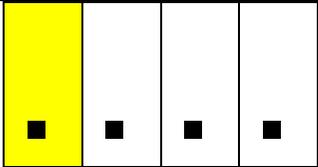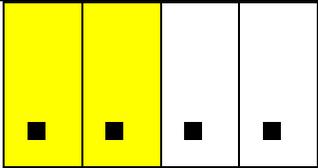# FINDING UNITS AND NON-UNIT FRACTIONS OF AN AMOUNT

Name: **Date:**

Use fraction grids, dots and counters to answer these questions. The first one has been done for you. If you don't have enough room, draw your fraction grid on a whiteboard and record your work in a sketch on the sheet. Check your answer on your calculator using the fraction key.

Question	Fraction Grid	Answer	Equation	Explain Your Reasoning
$\frac{1}{4}$ of 4		1	$4 \div 4 = 1$	Finding a quarter of something is the same as dividing by four. So I am dividing four by four. The answer is one, so one-quarter of four is one.
$\frac{2}{4}$ of 4		2	$4 \div 4 = 1$ $2 \times 1 = 2$	I already know that one-quarter of four is one. I need two-quarters of four, so I need two lots of one or 2 x 1.
$\frac{1}{5}$ of 5				
$\frac{2}{5}$ of 5				

FINDING UNITS AND NON-UNIT FRACTIONS OF AN AMOUNT

Question	Fraction Grid	Answer	Equation	Explain Your Reasoning
$\frac{3}{5}$ of 5				
$\frac{4}{5}$ of 5				
$\frac{1}{6}$ of 6				
$\frac{2}{6}$ of 6				
$\frac{3}{6}$ of 6				
$\frac{4}{6}$ of 6				

FINDING UNITS AND NON-UNIT FRACTIONS OF AN AMOUNT

Question	Fraction Grid	Answer	Equation	Explain Your Reasoning
$\frac{5}{6}$ of 6				
$\frac{1}{9}$ of 9				
$\frac{2}{9}$ of 9				
$\frac{5}{9}$ of 9				

Extension Question

What is $\frac{3}{10}$ of 10? Can you visualise the process and describe what you are doing? Use these prompts.

- I am visualising a fraction grid. It looks like…
- I am sharing counters among the parts. How many counters? How many in each part?
- I am shading the parts I am interested in. How many parts have you shaded?
- I am counting the counters in the shaded parts. How many are there?
- What is your answer?

- What is the equation to show what you did?