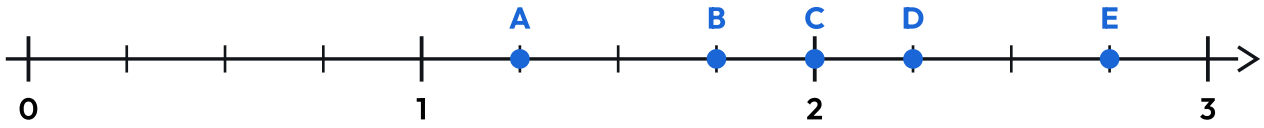
Name _____ Date _____

Two Names for One Point

PART 1 The number line

1 Each whole is divided into quarters. Write each marked point in two ways.



	A	B	C	D	E
improper	$\frac{\square}{4}$	$\frac{\square}{4}$	$\frac{\square}{4}$	$\frac{\square}{4}$	$\frac{\square}{4}$
mixed	$\square\ \frac{\square}{4}$	$\square\ \frac{\square}{4}$	$\square\ \frac{\square}{4}$	$\square\ \frac{\square}{4}$	$\square\ \frac{\square}{4}$

2 Here each whole is divided into thirds. Mark with a dot and write above it: $\frac{4}{3}, 2\frac{1}{3}, \frac{7}{3}, \frac{5}{3}, 2\frac{2}{3}$.



3 Which of these numbers are at the same place on the line? Why?

_____

Remember

$2\frac{3}{4} = \frac{2 \cdot 4 + 3}{4} = \frac{11}{4}$ $\quad \frac{11}{4}$: 11 : 4 = 2 and remainder 3 → $2\frac{3}{4}$

Names (pair) _____ Date _____

PART 2 Find the rule

4 **In pairs.** From a mixed number to an improper fraction: how many pieces are in the whole discs, and how many more?

Mixed number	Pieces in the wholes	More pieces	Improper fraction
$2\frac{3}{4}$	$2 \cdot 4 = 8$	3	$\frac{11}{4}$
$1\frac{2}{3}$	$1 \cdot 3 =$ ☐	☐	$\frac{☐}{3}$
$3\frac{1}{2}$	$3 \cdot 2 =$ ☐	☐	$\frac{☐}{2}$
$1\frac{5}{6}$	$1 \cdot 6 =$ ☐	☐	$\frac{☐}{6}$
$2\frac{3}{5}$	$2 \cdot 5 =$ ☐	☐	$\frac{☐}{5}$

5 From an improper fraction to a mixed number: divide the numerator by the denominator.

Improper fraction	Division	Mixed number
$\frac{11}{4}$	11 : 4 = 2 and remainder 3	$2\frac{3}{4}$
$\frac{7}{2}$	7 : 2 = ☐ and remainder ☐	☐ $\frac{☐}{2}$
$\frac{10}{3}$	10 : 3 = ☐ and remainder ☐	☐ $\frac{☐}{3}$
$\frac{17}{5}$	17 : 5 = ☐ and remainder ☐	☐ $\frac{☐}{5}$
$\frac{23}{6}$	23 : 6 = ☐ and remainder ☐	☐ $\frac{☐}{6}$