

Fractions on Number Lines

Locate, label and interpret fractions on number lines; connect improper fractions and mixed numbers to positions.

Student Name _____	Class / Section _____ —	Date _____ —	Worksheet MYP1-MATH -04
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MYP APPROACH

Understand • Apply • Reason • Reflect

A. LOCATE

1. On a line from 0 to 1, mark $\frac{1}{4}$, $\frac{1}{2}$ and $\frac{3}{4}$.
2. Which point would be halfway between $\frac{1}{4}$ and $\frac{3}{4}$?

3. Place $\frac{5}{8}$ between which two eighths? _____ and

B. BEYOND ONE

4. $\frac{5}{4} =$ _____ as a mixed number.
5. $\frac{7}{3} =$ _____ as a mixed number.
6. Which is farther from 1: $\frac{5}{4}$ or $\frac{7}{6}$? Explain.
7. Mark $1\frac{1}{2}$ and $2\frac{1}{4}$ on a number line.

Fractions on Number Lines — continued

C. INQUIRY & SCALE

8. A number line is divided into 10 equal parts. A point is at the 7th mark.
Fraction = _____

9. If the same point is described using hundredths, it is _____ / 100.

10. Why does changing the number of equal intervals not necessarily change the value?

11. Where would $\frac{9}{8}$ lie: between 0 and 1, between 1 and 2, or beyond 2? Explain.

12. Create a number-line question for a classmate and provide the answer.

SELF-CHECK ☐ I showed working ☐ I checked my answer ☐ I can explain my strategy ☐ I used mathematical language