Blank Fraction Number Lines: Draw the Marks

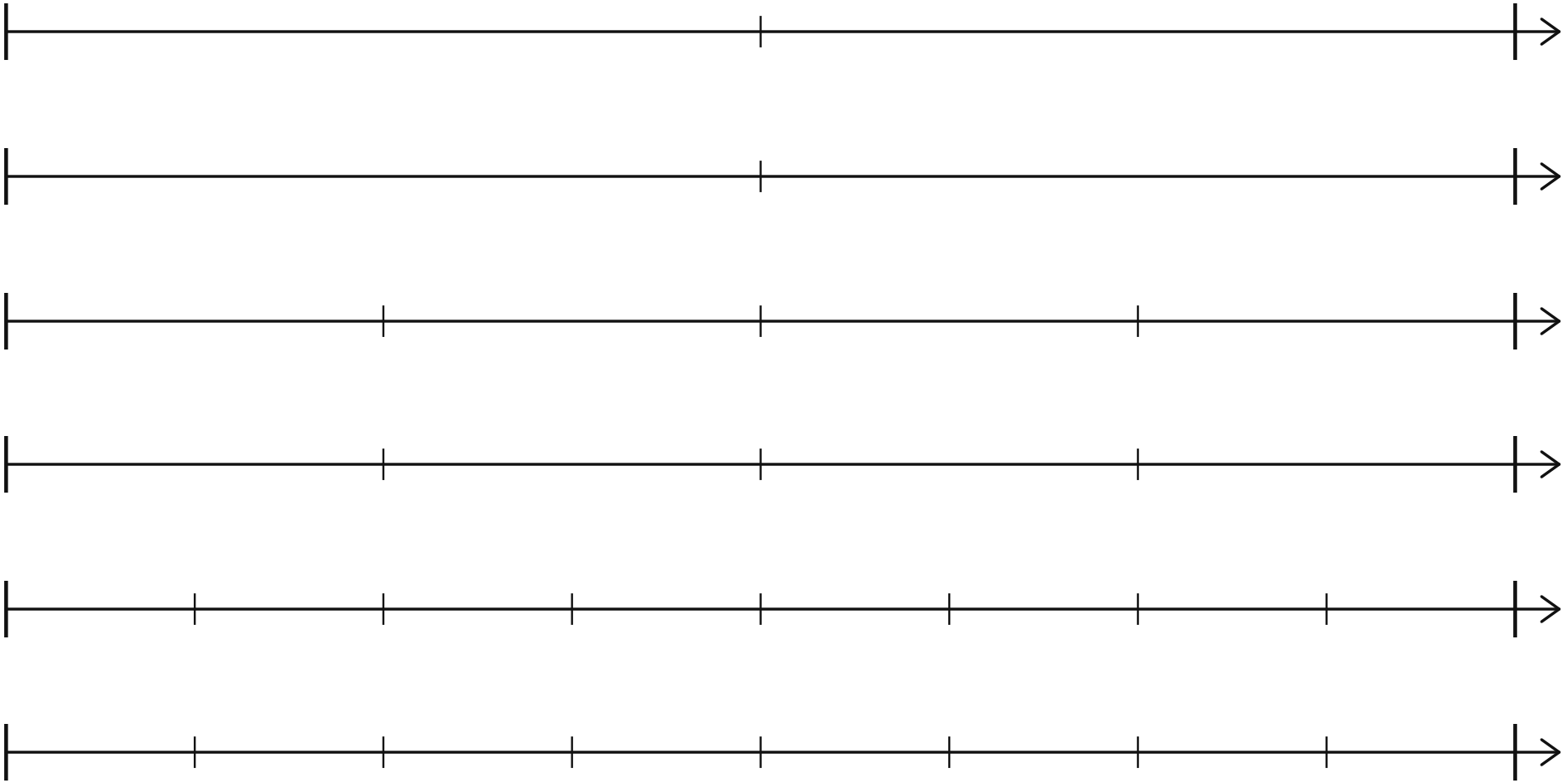
Draw your own marks between 0 and 1: one mark fewer than the denominator.



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Blank Fraction Number Lines: Halves, Fourths, and Eighths

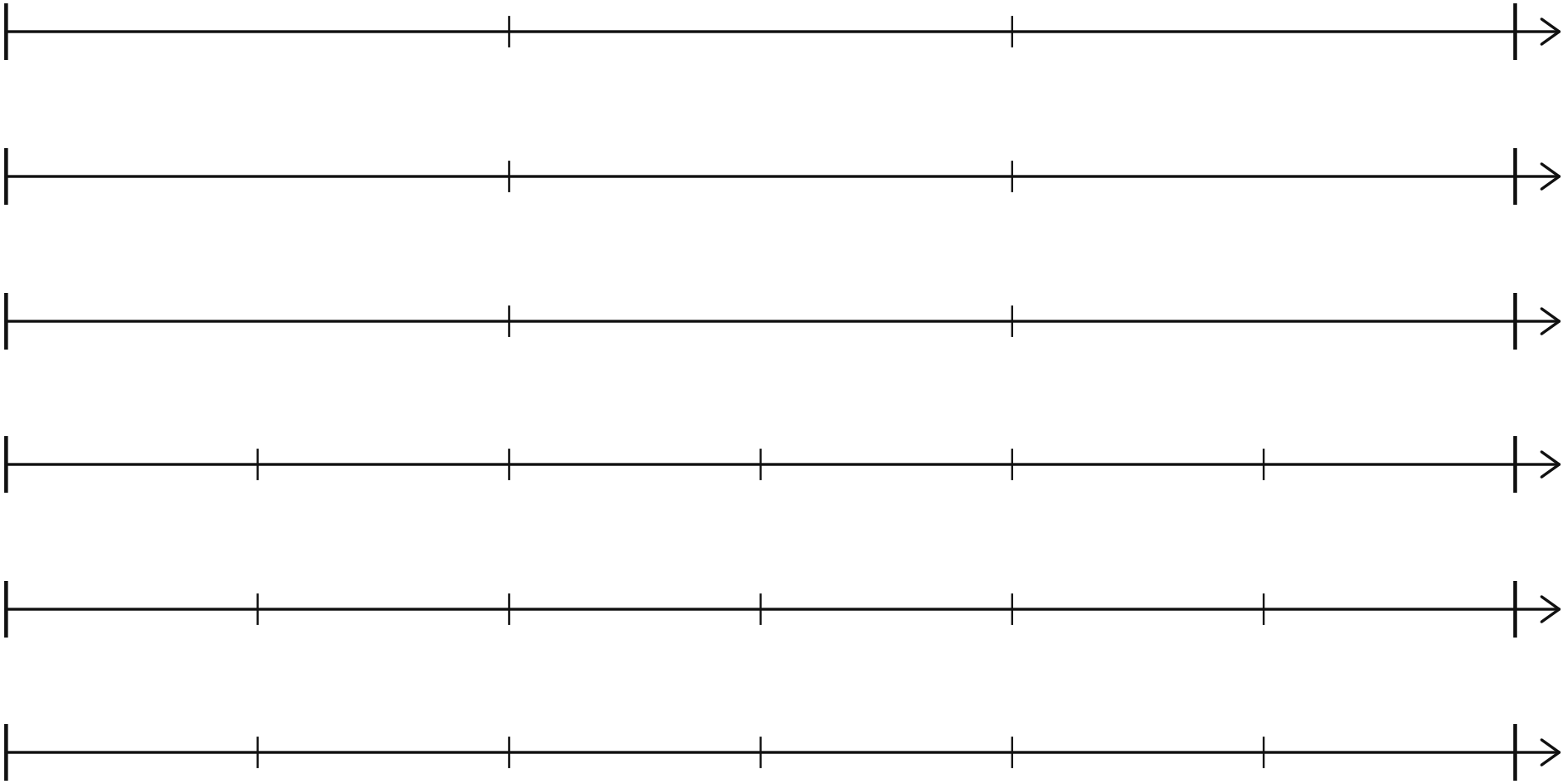
The marks are drawn. Write the fractions under them.



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Blank Fraction Number Lines: Thirds and Sixths

The marks are drawn. Write the fractions under them.



For Grown-Ups: How to Use These Number Lines

Lines to mark and label, for practice or to make your own worksheet. For third grade.

Why use it

A fraction on a number line is a distance from 0, counted in equal spaces, so the marks matter as much as the numbers. Common Core asks third graders to define the space from 0 to 1 as the whole and cut it into equal parts (3.NF.A.2a). Drawing those marks is the first step and a place children slip: the Institute of Education Sciences lists drawing four marks for fourths among the roadblocks teachers meet. If you learned fractions as slices, this will look different.

What it is good for

- Drawing marks from scratch: halves take 1 mark, thirds 2, fourths 3, sixths 5, and eighths 7.
- Turning a homework question into a drawing.
- Making your own worksheet on the lines already marked.

How to use it

1. Start on page 1. Find 0 and 1 and say that the space between them is the whole.
2. Pick a denominator and draw one mark fewer than it: fourths take 3 marks.
3. Count the spaces after drawing: 3 marks make 4 equal spaces.
4. On pages 2 and 3 the marks are drawn. Have your child write each fraction under its mark.

> **Try saying:** “Where is 1? How many equal spaces do you need? How many marks is that?”

Tip: To find marks without measuring, fold a strip of paper as long as the line.