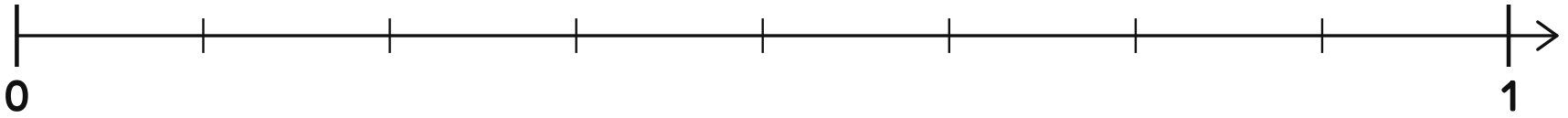
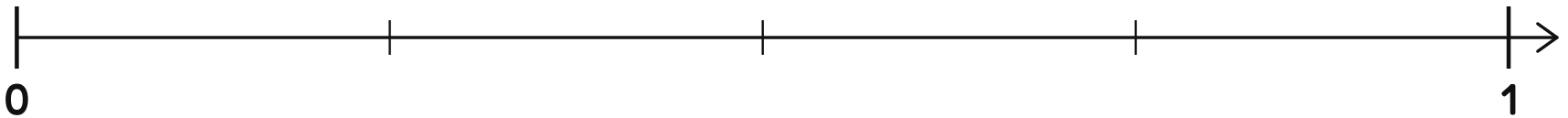
Place Fractions on a Number Line: Halves, Fourths, and Eighths

Count the equal spaces from 0. Put a dot on the line at the fraction.

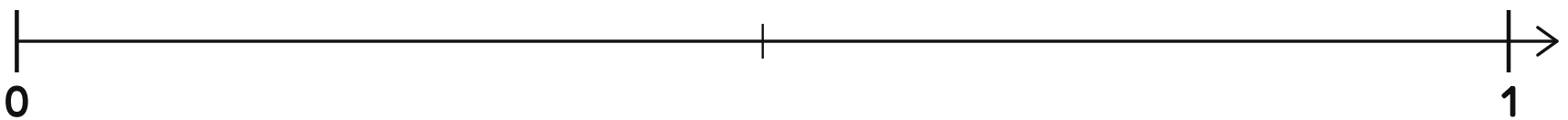
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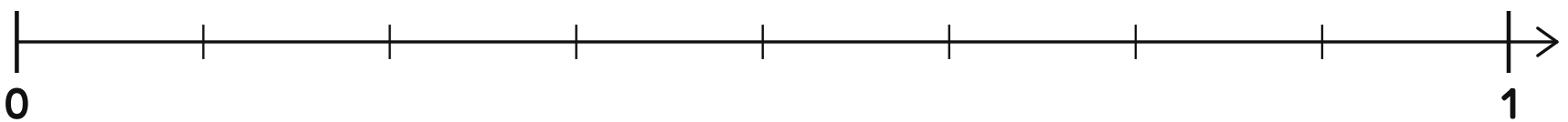
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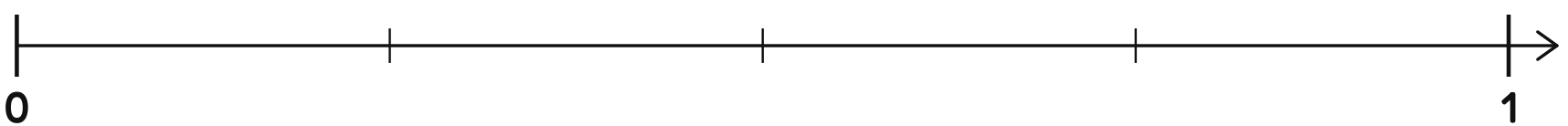
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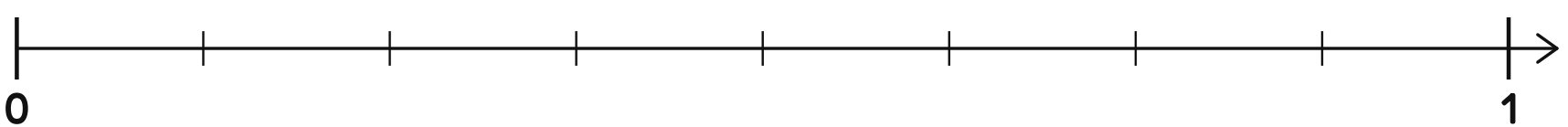
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$\frac{3}{4}$



$\frac{3}{8}$

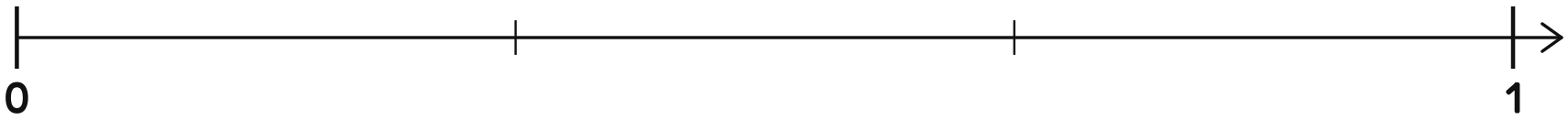


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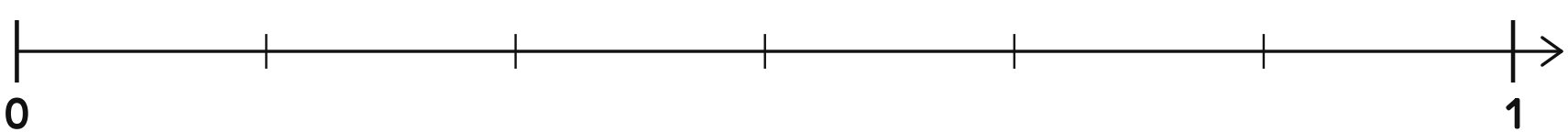
Place Fractions on a Number Line: Thirds and Sixths

Count the equal spaces from 0. Put a dot on the line at the fraction.

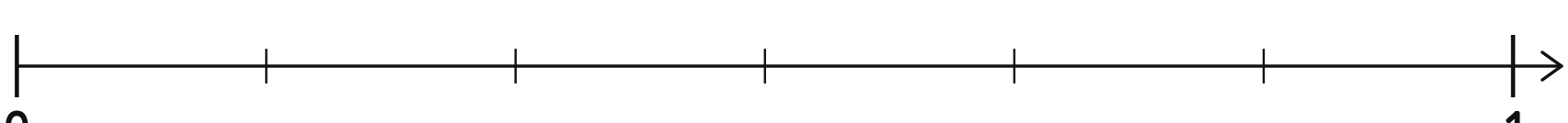
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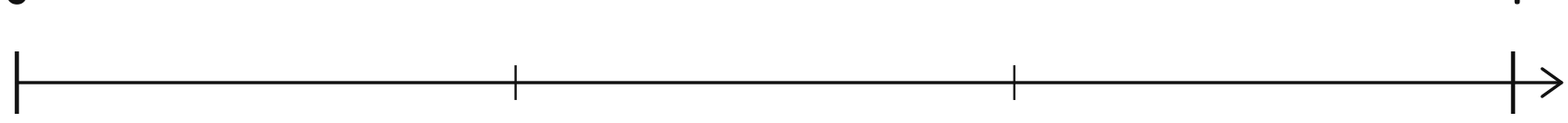
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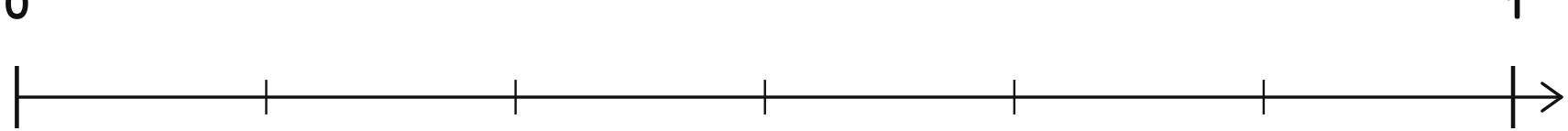
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$\frac{2}{3}$



$\frac{5}{6}$



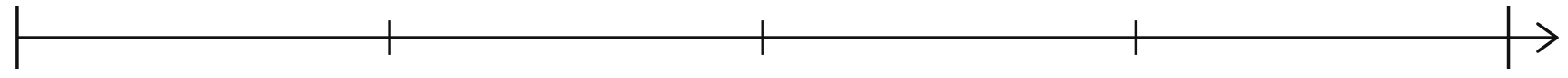
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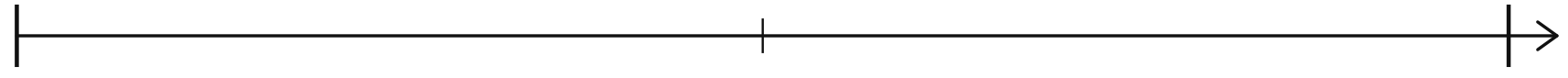
Place Fractions on a Number Line: All Five

Count the equal spaces from 0. Put a dot on the line at the fraction.

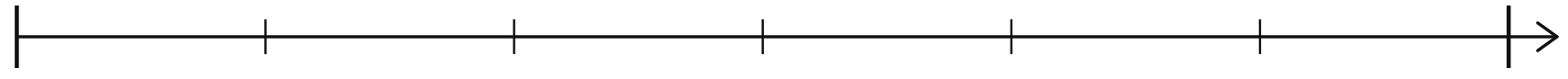
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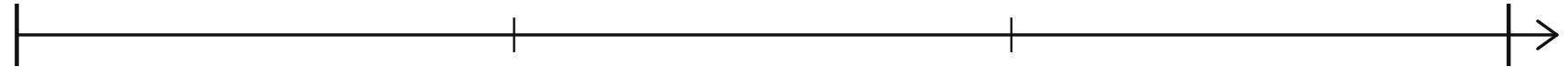
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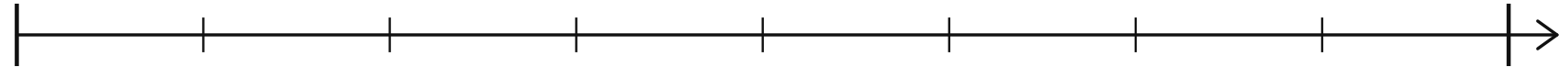
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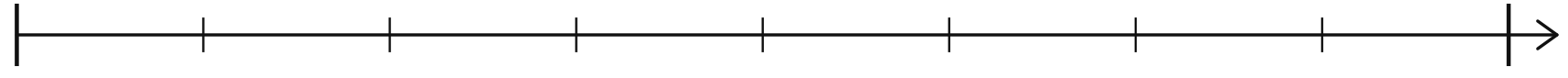
$\frac{2}{3}$



$\frac{7}{8}$



$\frac{3}{8}$

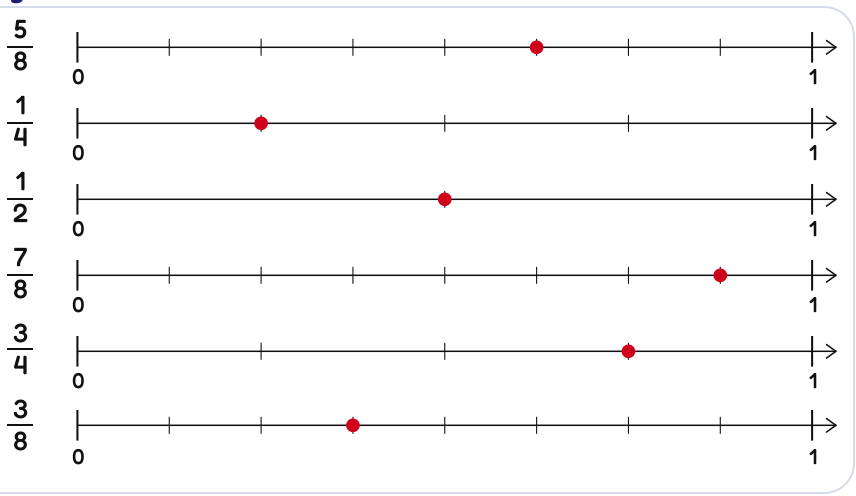


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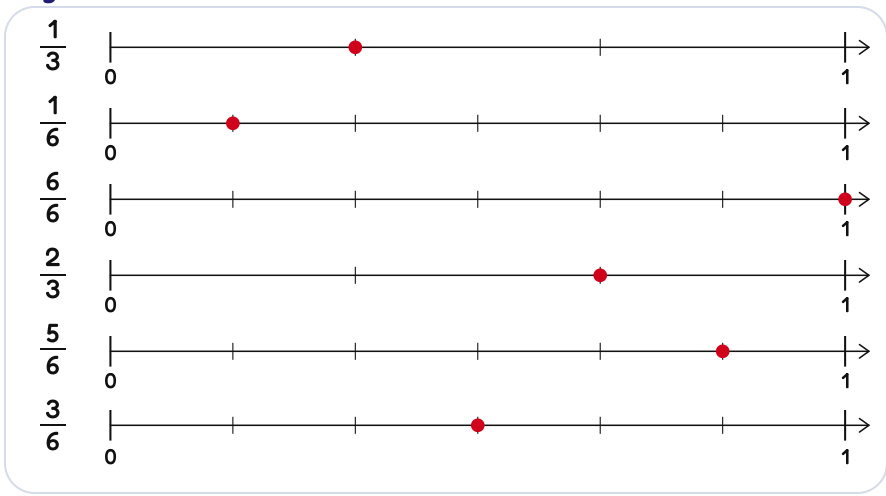
Place Fractions on a Number Line: Answer Key

For the grown-up. Each red dot sits on the mark where your child's dot goes.

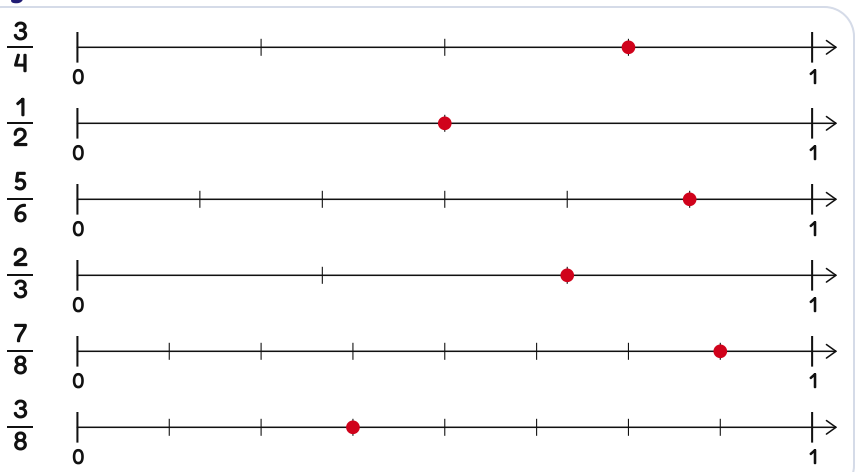
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For Grown-Ups: How to Use These Worksheets

One page at a sitting: name the whole, count the spaces, put the dot. For third grade.

Why use it

A fraction on a number line is a point, a distance from 0 counted in equal spaces. To place 3/4, your child finds the whole from 0 to 1, sees that the line is cut into 4 equal spaces, and counts 3 of those spaces from 0. Common Core and Texas both teach it this way in third grade (3.NF.A.2b; TEKS 3.3(A)), and the Institute of Education Sciences recommends number lines as a central tool for teaching fractions.

What it is good for

- Reading the denominator as the number of equal spaces, and the numerator as how many to count.
- Counting spaces, not marks, from 0.
- Practicing each denominator, then all five mixed.

How to use it

1. Say where the whole is: point to 0 and to 1.
2. Read the fraction beside the line and count the line's equal spaces: 4 spaces, fourths.
3. Put a finger on 0 and count a space only when the finger lands.
4. Stop on the numerator and draw the dot on that mark.
5. Check with the answer key, where each dot is in red.

> **Try saying:** “Put your finger on 0. How many spaces do you count for this fraction?”

Tip: A child who says one on the 0 stops one mark short. Start the count on the next mark.