

Counting in fractions using a number line

WORKED EXAMPLE

When a number line has been divided into equal parts, it is possible to count in fractions.



Each whole is divided into 4 equal parts. Each part is $\frac{1}{4}$.

REHEARSE

Continue the patterns, counting in fractions.

$\frac{1}{2}$	1	$1\frac{1}{2}$	2					
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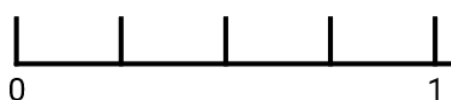
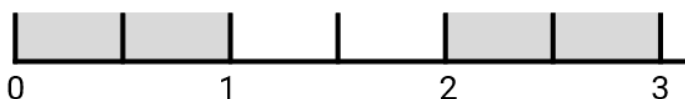
$\frac{1}{3}$	$\frac{2}{3}$	1						
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$\frac{1}{4}$	$\frac{2}{4}$							
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$3\frac{3}{4}$	$3\frac{2}{4}$							
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REHEARSE

Write the fraction that can you count in on each of these number lines. Explain how you know.

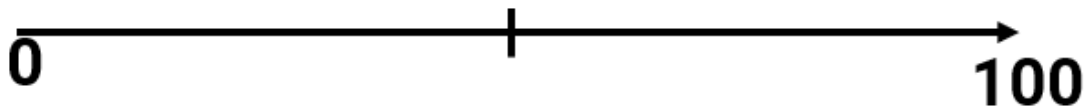


quarters
thirds
halves

RETRIEVE

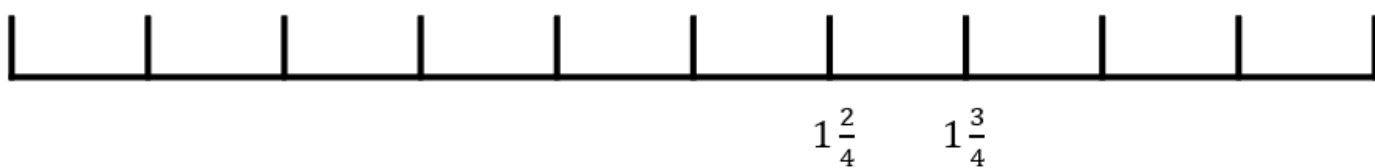
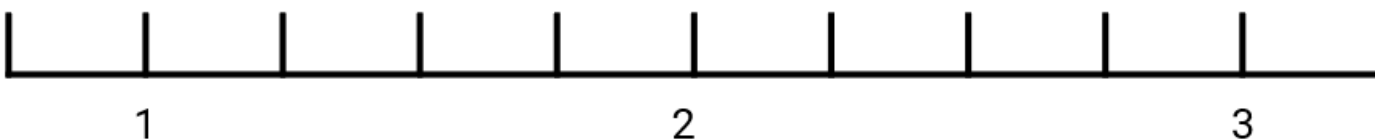
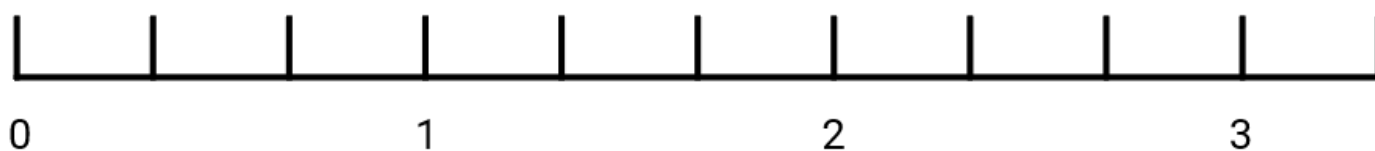
Can I still estimate on a blank number line?

Position the following numbers on the number line: 25, 75, 50 and 30.



REHEARSE

Label the following number lines by counting in fractions.



APPLY AND EXPLORE

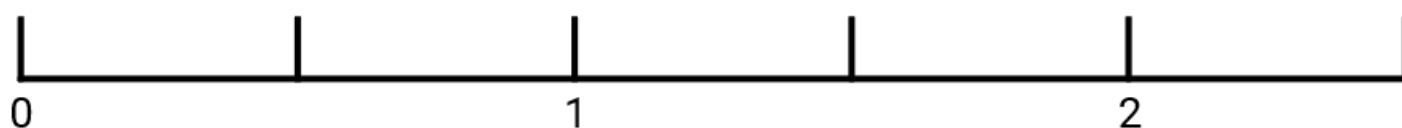
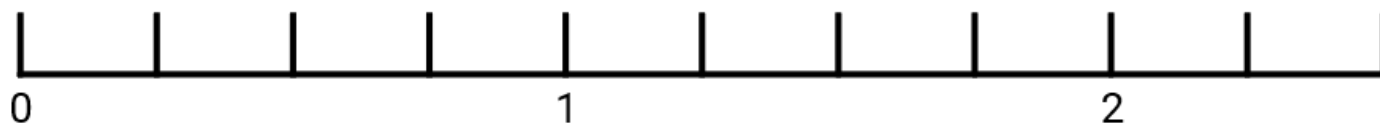
Which was the hardest?

Why?

What did you do to help yourself?

REHEARSE

Label the following number lines by counting in fractions.



Compare the number lines. What is the same and what is different?

APPLY AND EXPLORE

Position the fractions in the correct place on the number line.

$$\frac{3}{4} \quad 1\frac{1}{4} \quad \frac{4}{4} \quad 1\frac{1}{2}$$

Top tip:
Add your own
helpful benchmarks
to make it easier.



$$\frac{3}{4} \quad \frac{1}{2} \quad 1 \quad 1\frac{1}{2}$$

