

$$\frac{1}{4} + \frac{1}{4} =$$

$$\frac{2}{4} + \frac{1}{4} =$$

$$\frac{3}{4} + \frac{1}{4} =$$

$$\frac{1}{2} + \frac{1}{2} =$$

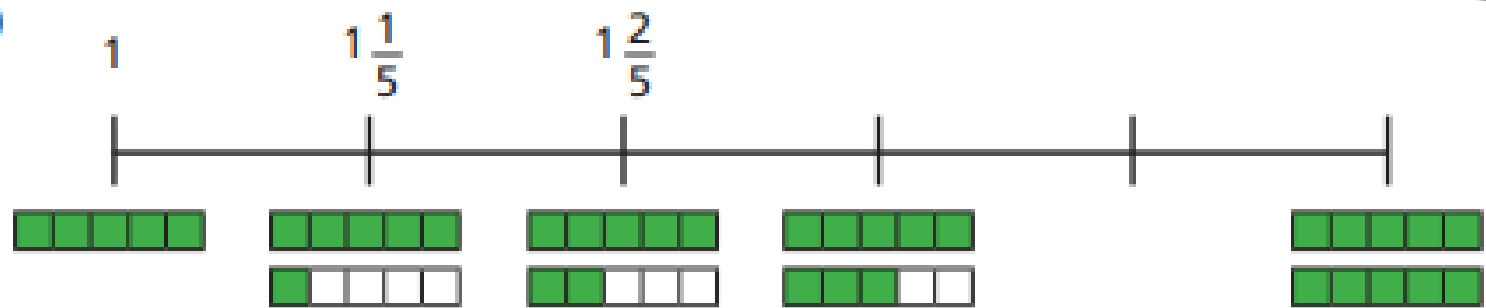
$$\frac{1}{3} + \frac{1}{3} =$$

$$\frac{2}{3} + \frac{2}{3} =$$

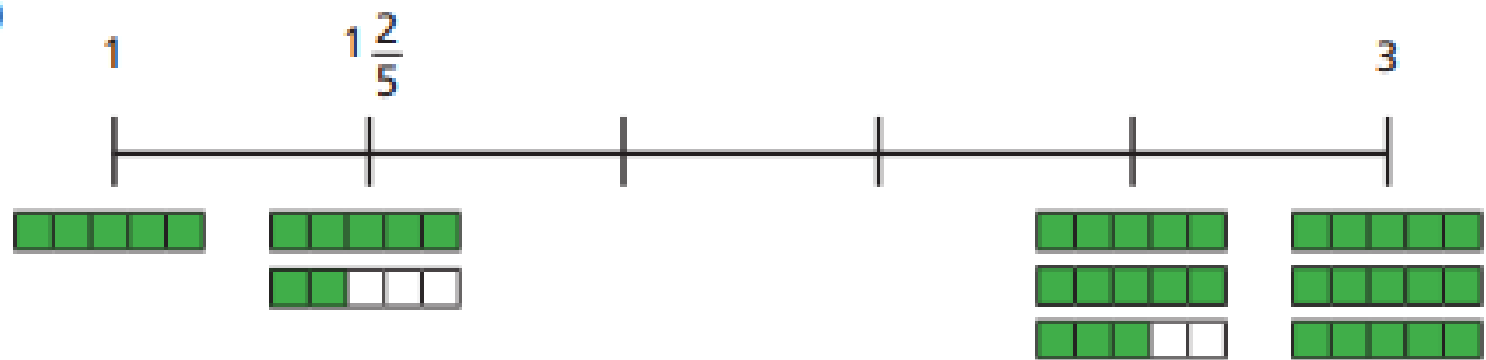
RECALL

Complete the number lines.

a)



b)



GUIDED
PRACTICE

LO: number sequences.

Some will even spot patterns to help answer questions.

Some will fill in missing numerators and denominators in sequences.

Most will match the number sequence to its rule

All will complete number sequences.

LEARNING HABIT RESILIENCE. |



Start at 0 and count up in steps of $\frac{1}{4}$



Start at 4 and count down in steps of $\frac{1}{3}$



Start at 1 and count up in steps of $\frac{2}{3}$

**INTELLIGENT
PRACTICE.**

Dive deeper 1

Match each sequence to its rule.

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

add three quarters

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

subtract two thirds

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

add two thirds

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

subtract one half

Dive deeper 2

Continue the sequences.

a) $2\frac{7}{8}, 3\frac{1}{8}, 3\frac{3}{8},$, ,

b) $5\frac{6}{7}, 5\frac{3}{7}, 5,$, ,

c) $5\frac{6}{11}, 5\frac{3}{11}, 5,$, ,

Complete the sequences.

$$\frac{3}{4}, \frac{\square}{\square}, 1\frac{3}{4}, 2\frac{1}{4}$$

$$\frac{\square}{\square}, 3\frac{1}{3}, \frac{\square}{\square}, 2\frac{2}{3}$$


$$\frac{\square}{\square}, 5\frac{1}{2}, 5\frac{7}{10}, 5\frac{9}{10}$$

$$\frac{3}{5}, \frac{\square}{\square}, \frac{\square}{\square}, 3$$

Dive deeper 3


Teddy and Rosie are finding the missing numbers in the sequence.

a) 3, , , , , , , , 4

 I think the missing fractions are sevenths because there are seven blank number cards.

Do you agree with Teddy?
Explain your answer.

b) Complete the sequence.
3, , , , , , , , 4

c)  I think one of the missing fractions is equivalent to $3\frac{1}{2}$

Is Rosie correct?
Explain how you know.

d) Which other fractions in the sequence can you find equivalent fractions for?

DIVE DEEPER



Start at 0 and count up in steps of $\frac{1}{4}$

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



Start at 4 and count down in steps of $\frac{1}{3}$

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



Start at 1 and count up in steps of $\frac{2}{3}$

1, 1 $\frac{2}{3}$, 2 $\frac{1}{3}$,
3, 3 $\frac{2}{3}$, 4 $\frac{1}{3}$,
5

INTELLIGENT
PRACTICE ANSWERS

Dive deeper 1

Match each sequence to its rule.

$2\frac{2}{3}, 3\frac{1}{3}, 4, 4\frac{2}{3}$	→	add three quarters
$2\frac{1}{2}, 3\frac{1}{4}, 4, 4\frac{3}{4}$	→	subtract two thirds
$4\frac{1}{3}, 3\frac{2}{3}, 3, 2\frac{1}{3}$	→	add two thirds
$4\frac{1}{4}, 3\frac{3}{4}, 3\frac{1}{4}, 2\frac{3}{4}$	→	subtract one half

Dive deeper 2

Continue the sequences.

a) $2\frac{7}{8}, 3\frac{1}{8}, 3\frac{3}{8}, 3\frac{5}{8}, 3\frac{7}{8}, 4\frac{1}{8}$

b) $5\frac{6}{7}, 5\frac{3}{7}, 5, 4\frac{6}{7}, 4\frac{3}{7}, 4$

c) $5\frac{6}{11}, 5\frac{3}{11}, 5, 5\frac{8}{11}, 5\frac{5}{11}, 5\frac{2}{11}$

Complete the sequences.

$1\frac{3}{4}$
 $\frac{3}{4}, \square, 1\frac{3}{4}, 2\frac{1}{4}$

$3\frac{2}{3}$ 3
 $\frac{3}{5}, \square, 3\frac{1}{3}, \square, 2\frac{2}{3}$


$1\frac{2}{5}$
 $5\frac{3}{10}, \square, 5\frac{1}{2}, 5\frac{7}{10}, 5\frac{9}{10}$

$2\frac{1}{5}$

Dive deeper 3


Teddy and Rosie are finding the missing numbers in the sequence.

3, $\square, \square, \square, \square, \square, \square, \square$, 4

a)  I think the missing fractions are sevenths because there are seven blank number cards.

Do you agree with Teddy?
 Explain your answer.

b) Complete the sequence.
 3, $\square, \square, \square, \square, \square, \square, \square$, 4

c)  I think one of the missing fractions is equivalent to $3\frac{1}{2}$

Is Rosie correct?
 Explain how you know.

d) Which other fractions in the sequence can you find equivalent fractions for?

DIVE DEEPER ANSWERS