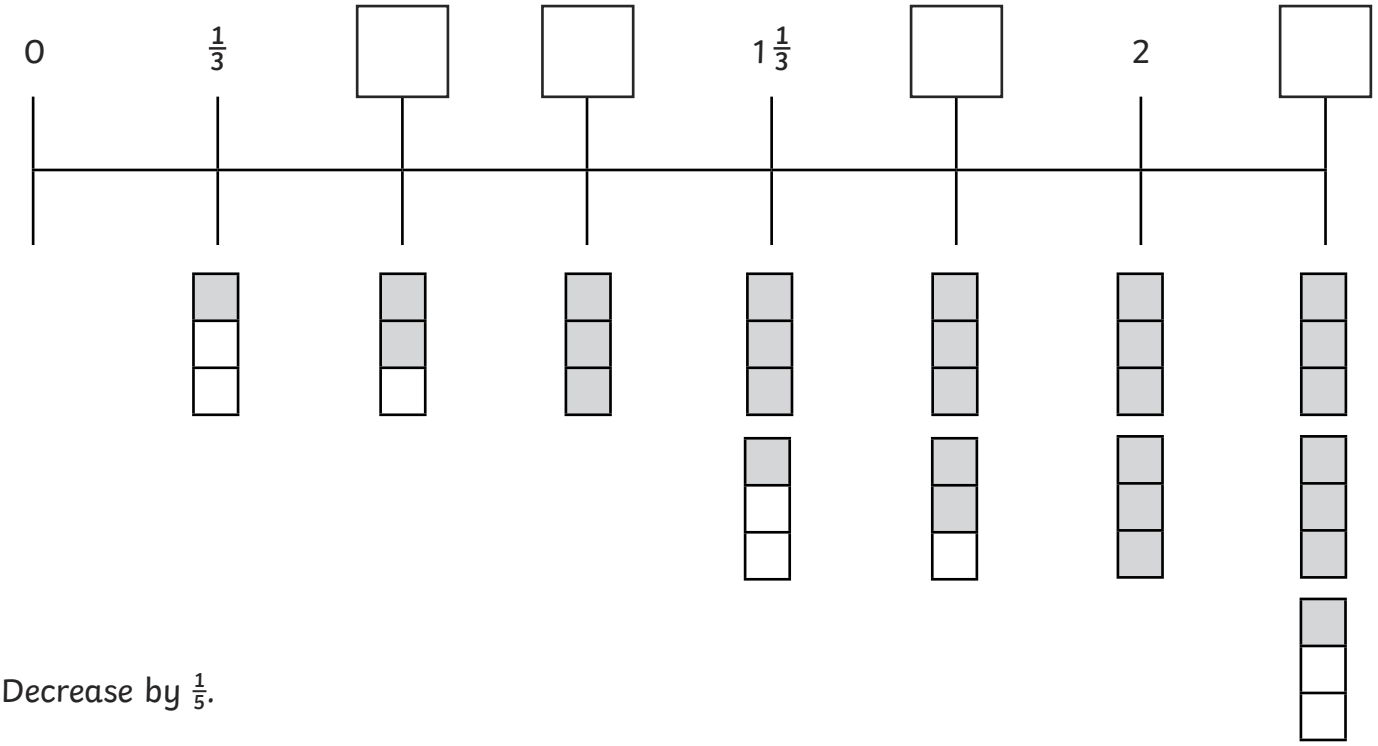
Fraction Sequences

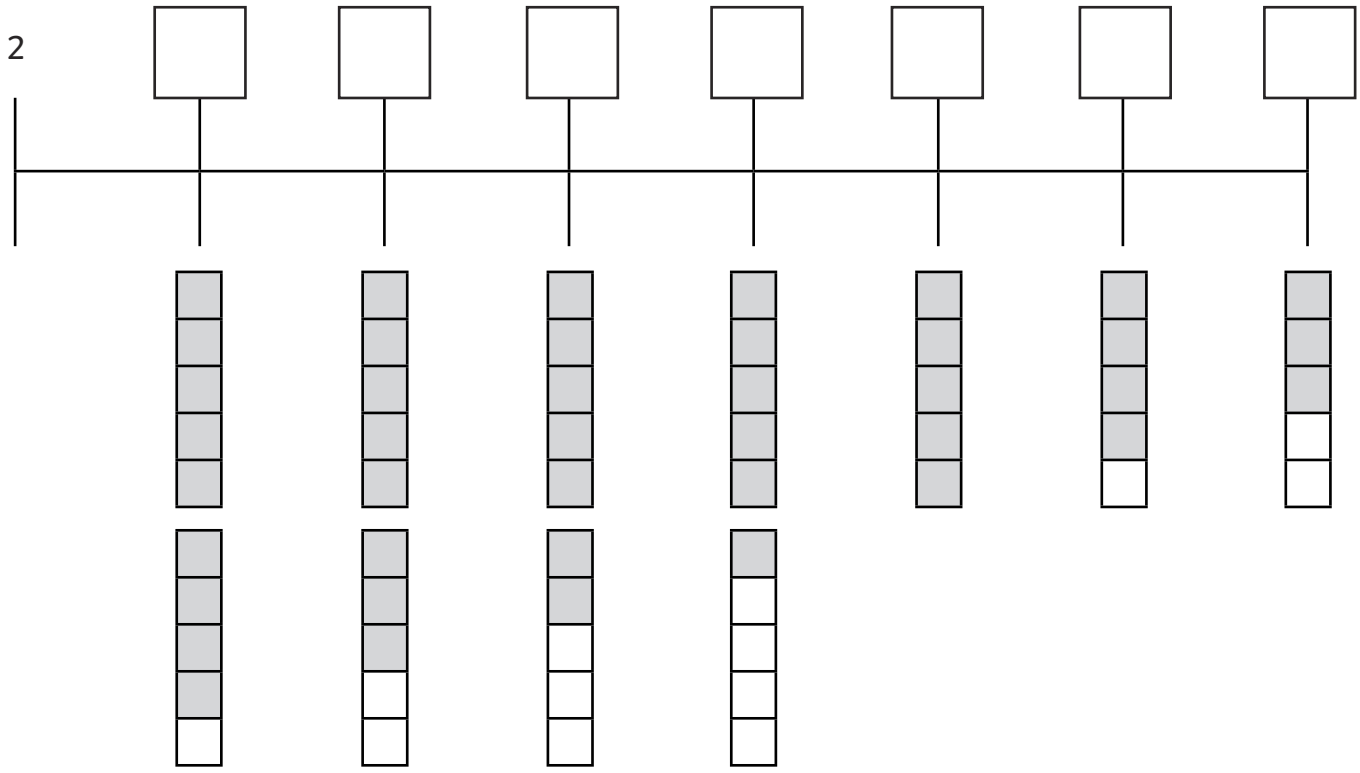
To identify and continue fraction sequences.

1) Complete the number lines.

a) Increase by $\frac{1}{3}$.



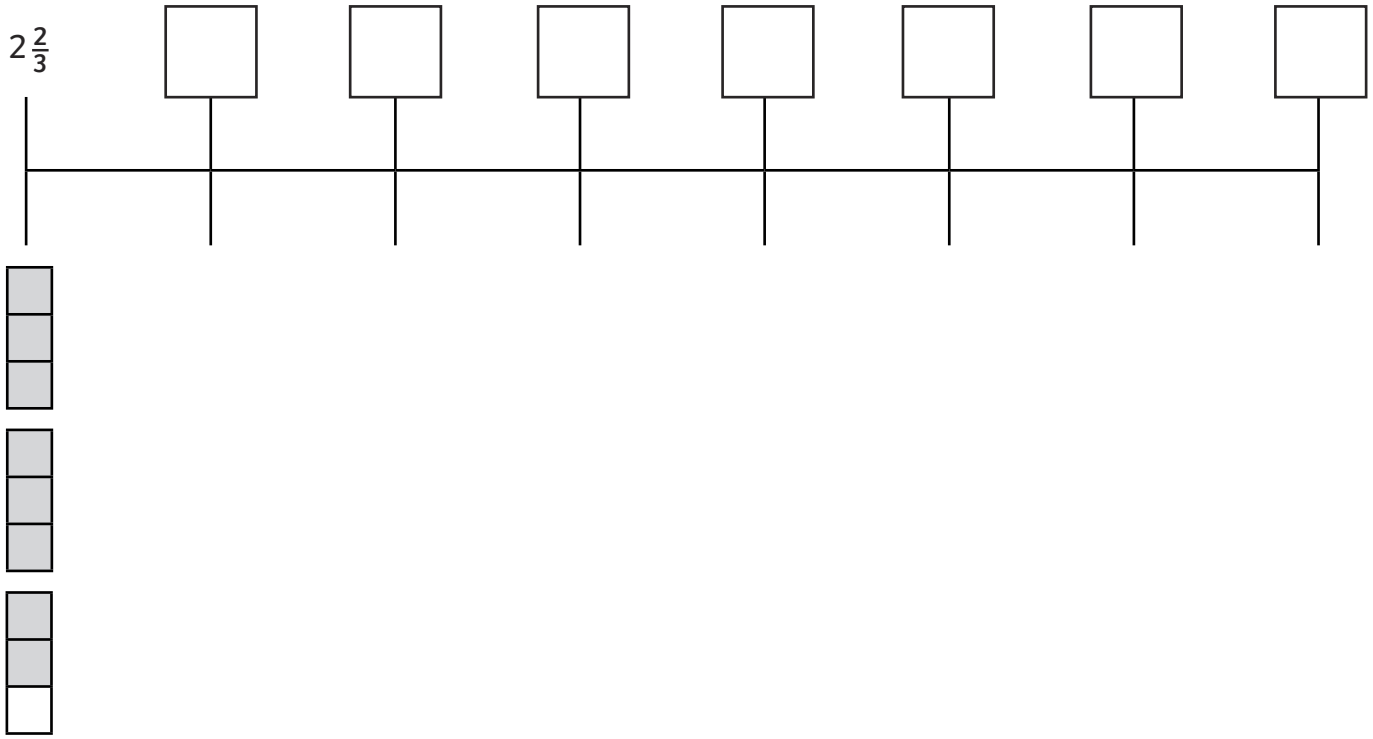
b) Decrease by $\frac{1}{5}$.



Fraction Sequences

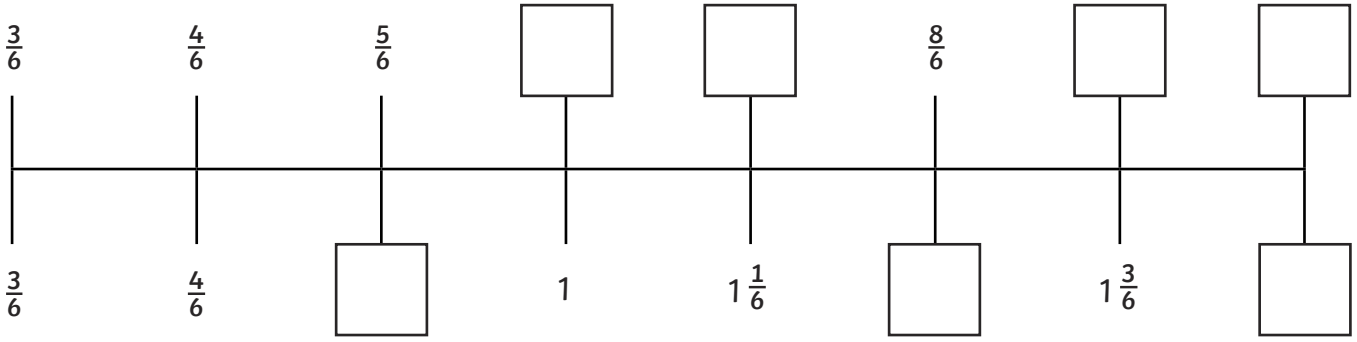
To identify and continue fraction sequences.

c) Increase by $\frac{2}{3}$. Draw your own representations to help, the first has been done as an example.



2) Complete the number lines.

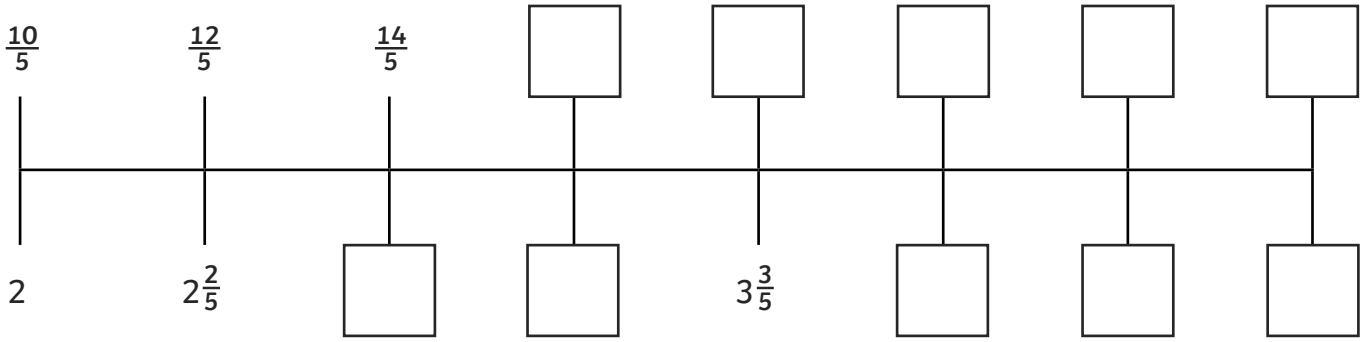
a)



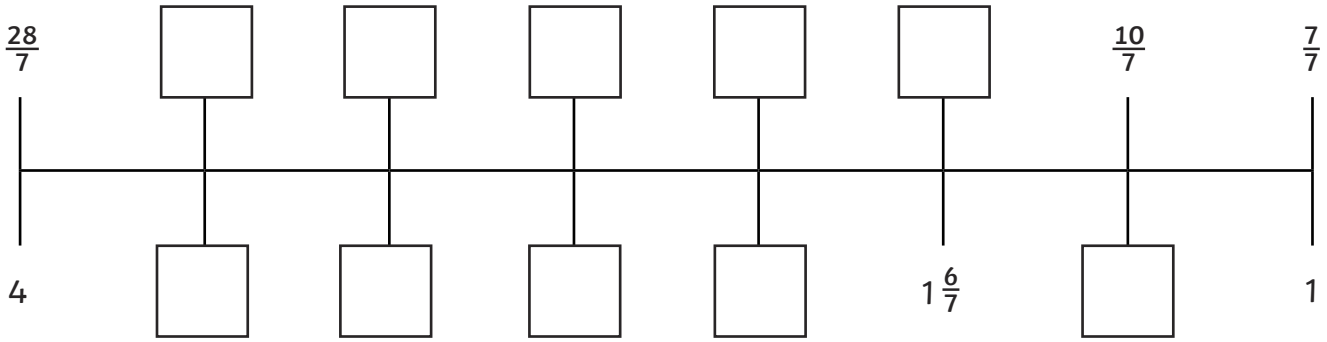
Fraction Sequences

To identify and continue fraction sequences.

b)



c)



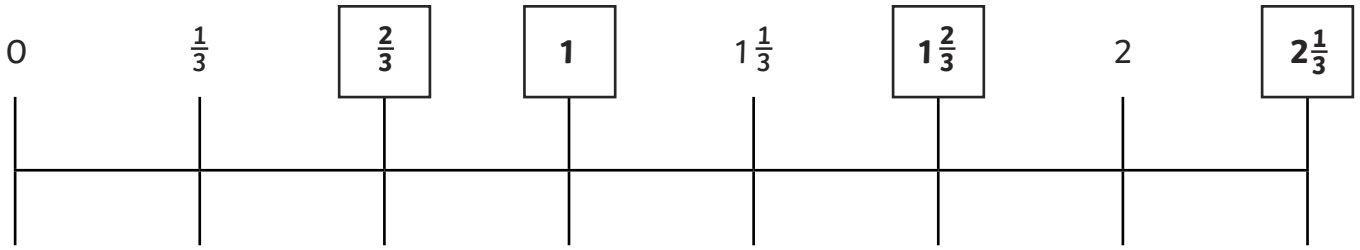
3) Draw a line to match each sequence to its rule.

$5\frac{2}{3}, 5\frac{1}{3}, 5, 4\frac{2}{3}$	Decrease by two fifths.
$5\frac{1}{2}, 6, 6\frac{1}{2}, 7$	Increase by two quarters.
$2\frac{1}{4}, 2\frac{3}{4}, 3\frac{1}{4}, 3\frac{3}{4}$	Decrease by one third.
$4\frac{4}{5}, 4\frac{2}{5}, 4, 3\frac{3}{5}$	Increase by half.

Fraction Sequences **Answers**

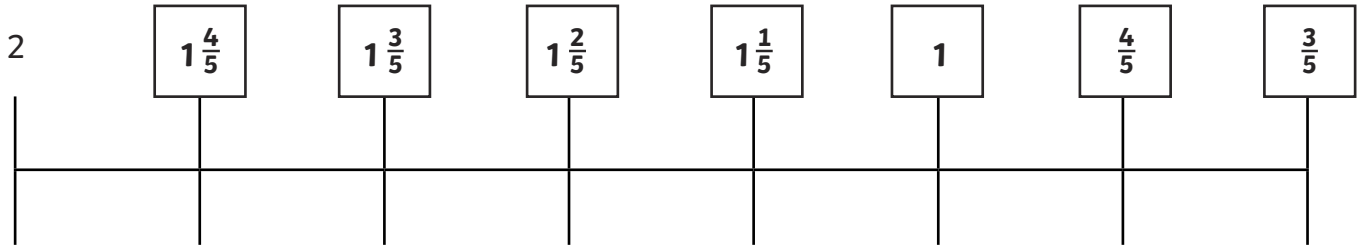
1) Complete the number lines.

a) Increase by $\frac{1}{3}$.



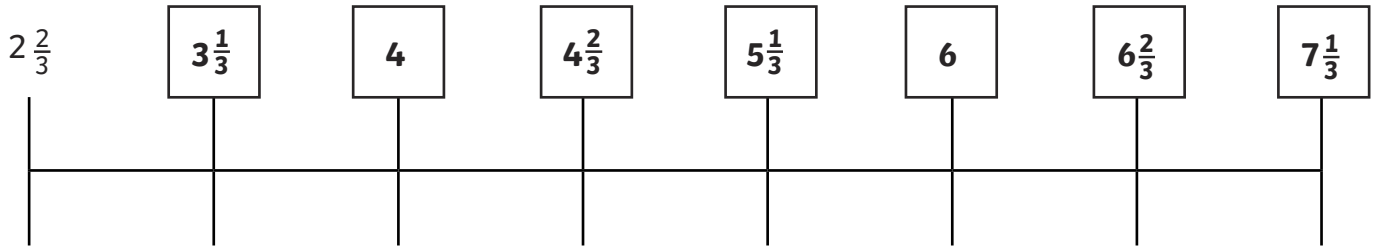
***Also accept equivalent and improper fractions**

b) Decrease by $\frac{1}{5}$.



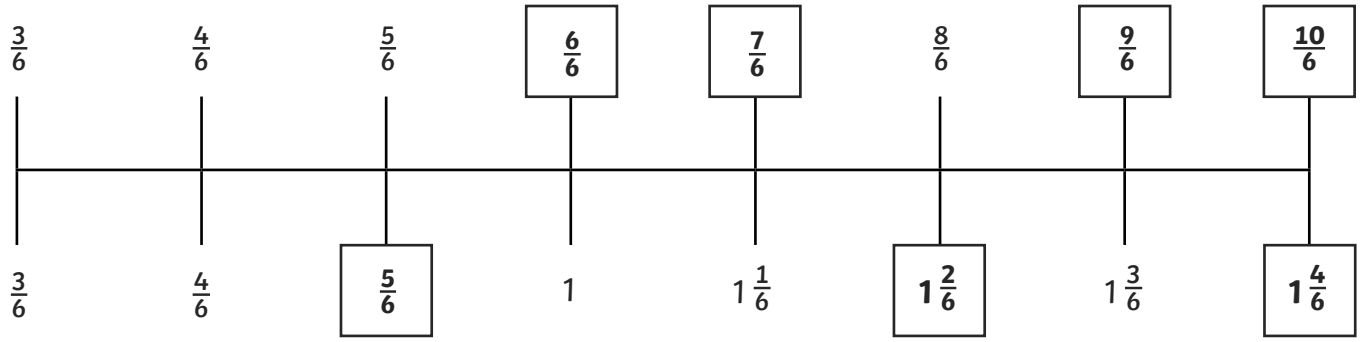
***Also accept equivalent and improper fractions**

c) Increase by $\frac{2}{3}$. Draw your own representations to help, the first has been done as an example.

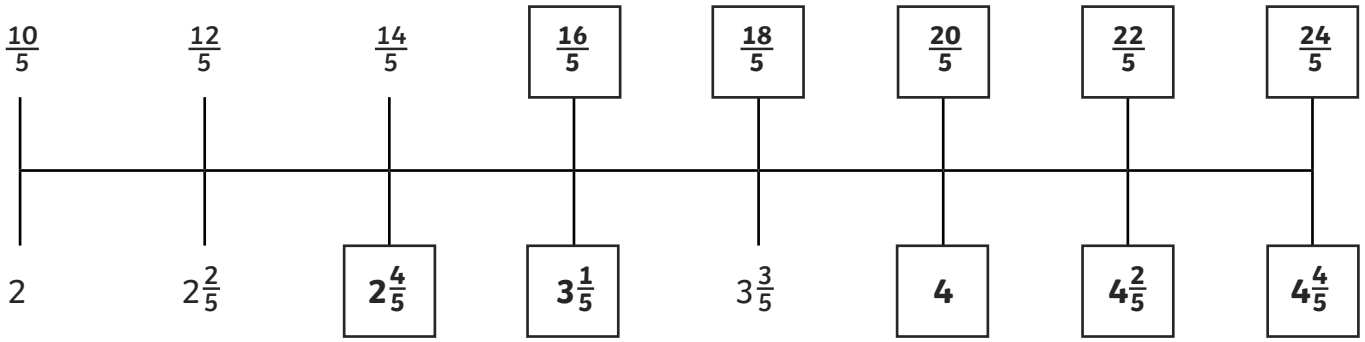


***Also accept equivalent and improper fractions**

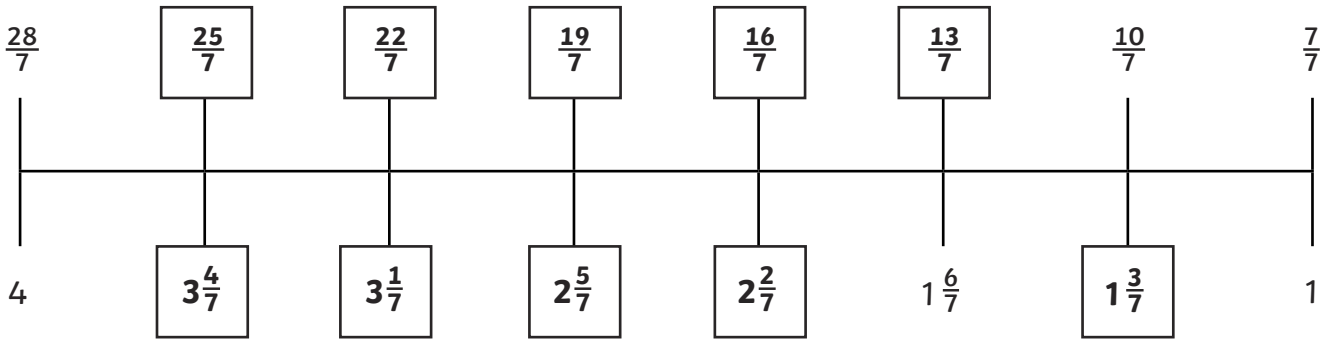
2a) Complete the number lines.



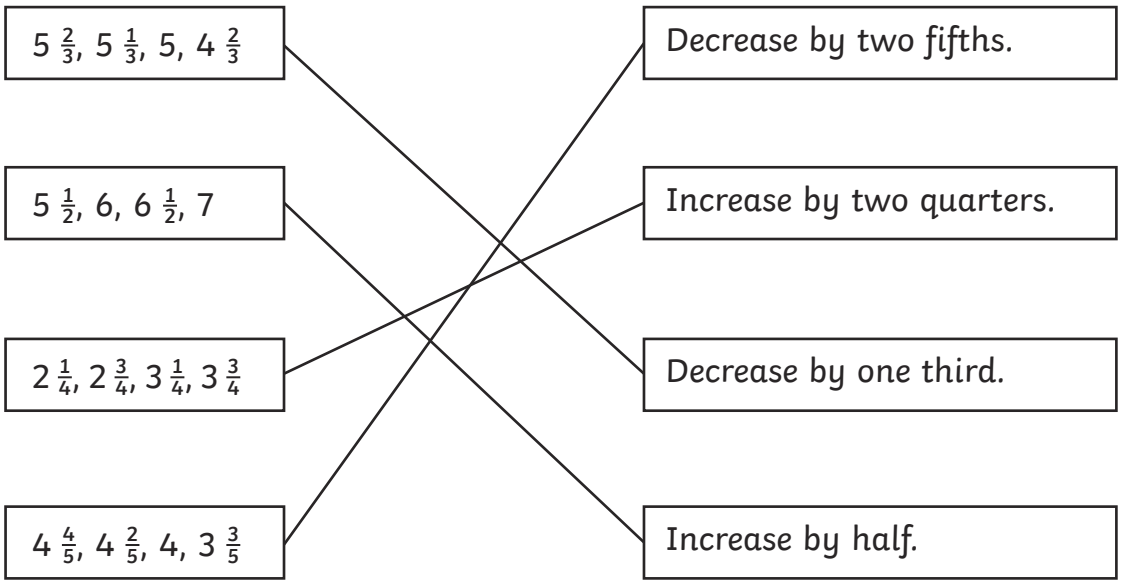
b)



c)



3) Draw a line to match each sequence to its rule.

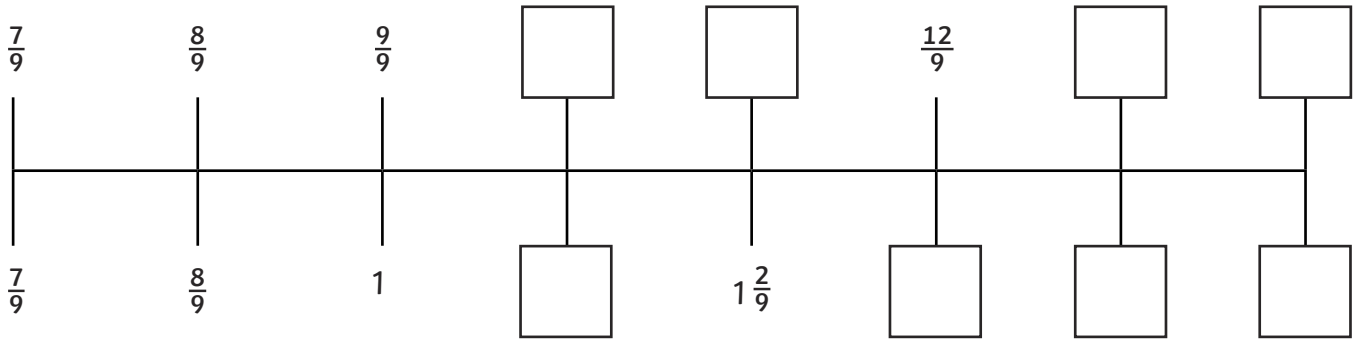


Fraction Sequences

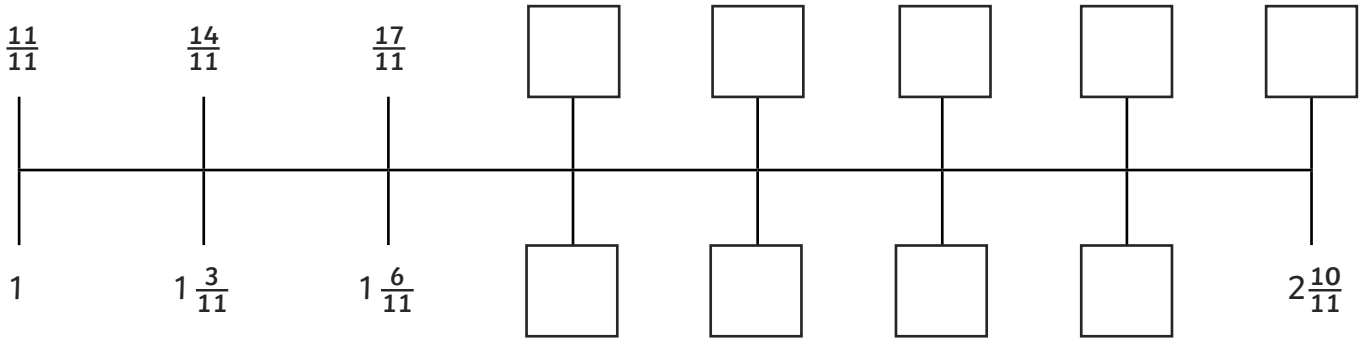
To identify and continue fraction sequences.

1) Complete the number lines.

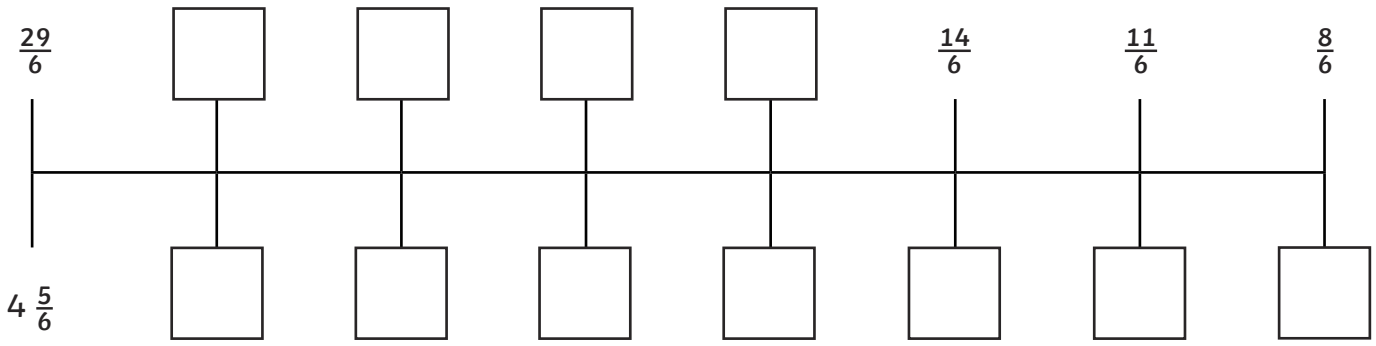
a)



b)



c)



Fraction Sequences

To identify and continue fraction sequences.

2) Draw a line to match each sequence to its rule.

a)

$6\frac{1}{3}, 5\frac{2}{3}, 5, 4\frac{1}{3}$	Increase by three eighths.
$6\frac{1}{4}, 6\frac{3}{4}, 7\frac{1}{4}, 7\frac{3}{4}$	Decrease by three fifths.
$2\frac{1}{2}, 2\frac{7}{8}, 3\frac{1}{4}, 3\frac{5}{8}$	Increase by two eighths.
$4\frac{4}{5}, 4\frac{1}{5}, 3\frac{3}{5}, 3$	Decrease by two thirds.
	Decrease by one quarter.
	Increase by half.

b) There are two rules that are not matched. Write your own sequences for these rules.

3) Write a sequence and a rule which includes the value shown.

a)

			$2\frac{1}{3}$		Rule:

b)

	1				Rule:

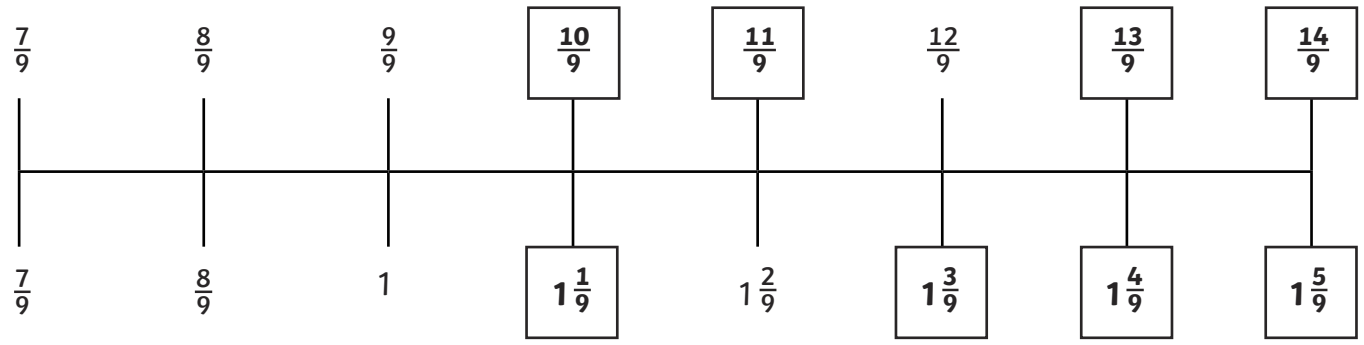
c)

				5	Rule:

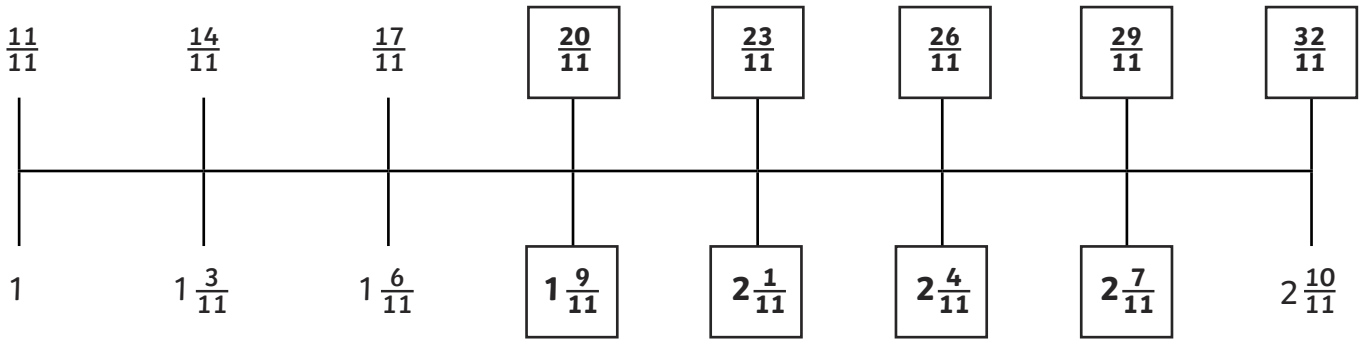
Fraction Sequences **Answers**

1) Complete the number lines.

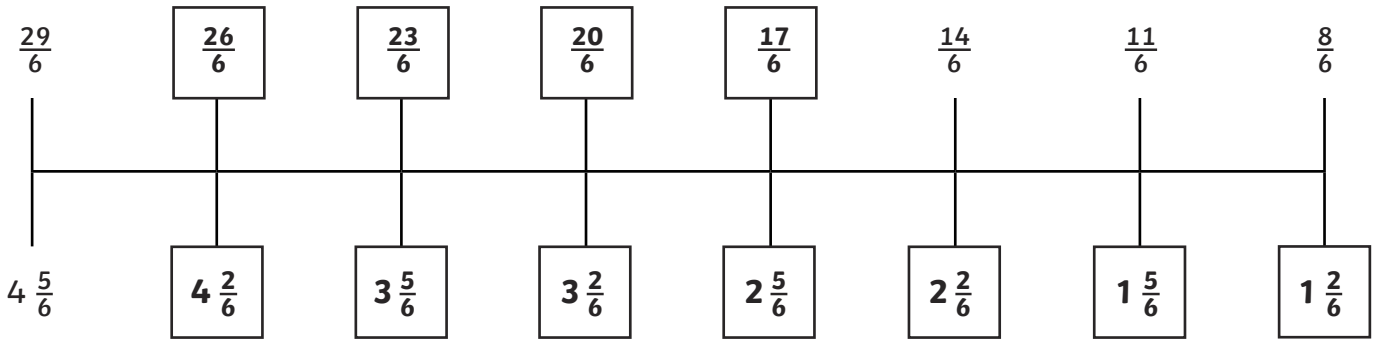
a)



b)

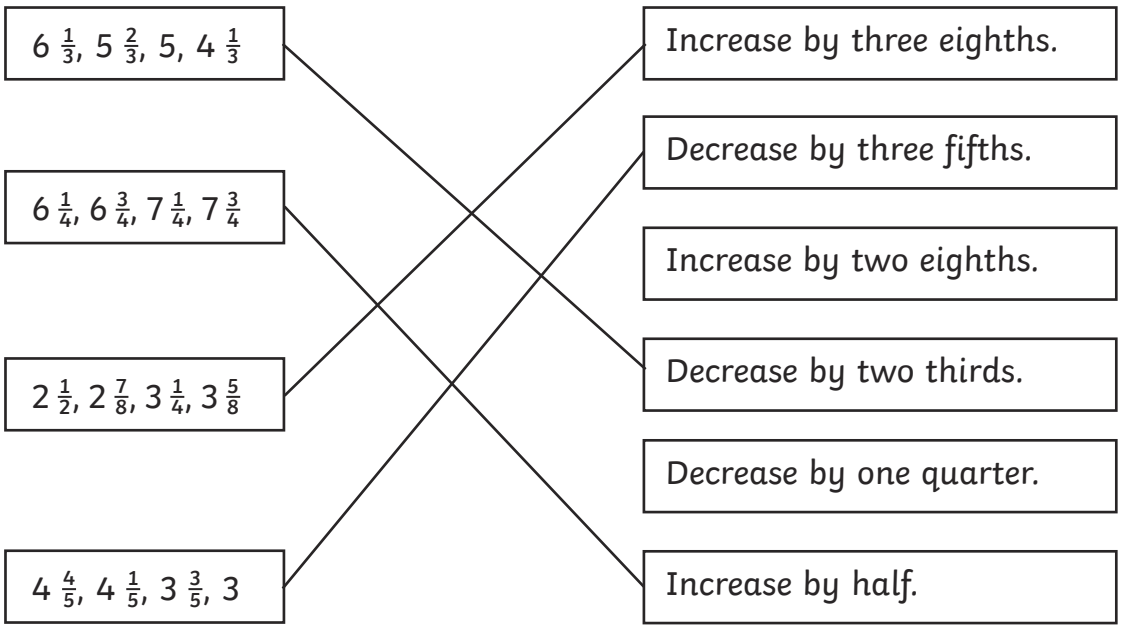


c)



2) Draw a line to match each sequence to its rule.

a)



b) **Multiple answers are possible. Example sequences are given:**

Increase by two eighths. $\mathbf{\frac{1}{8}, \frac{3}{8}, \frac{5}{8}, \frac{7}{8}, 1\frac{1}{8}}$

Decrease by one quarter. **3 3/4, 3 1/2, 3 1/4, 3, 2 3/4,**

3) **Multiple answers are possible.**