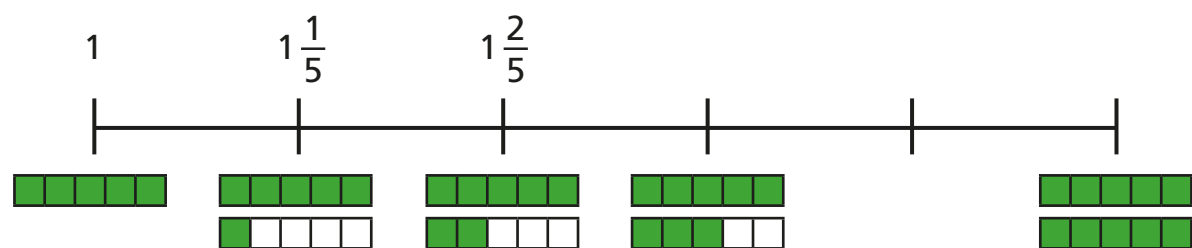


# Number sequences

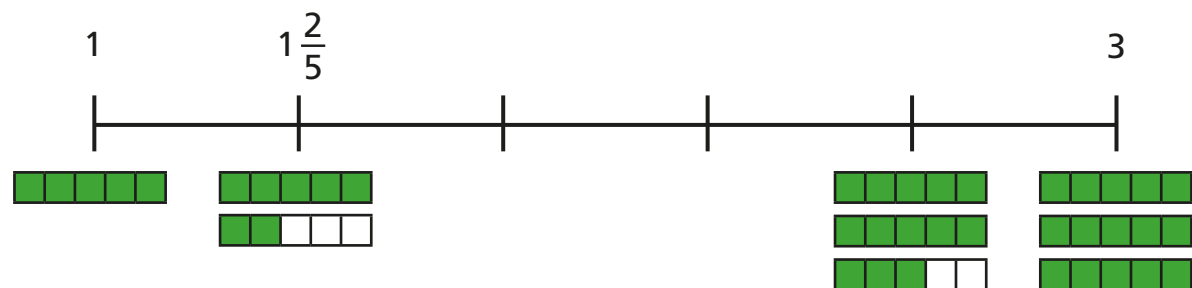


1 Complete the number lines.

a)

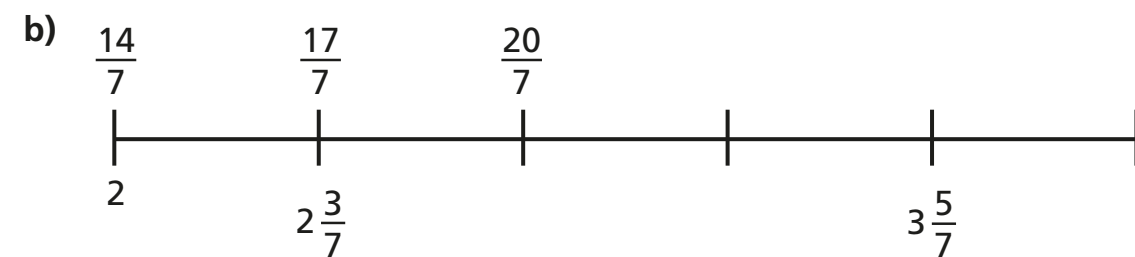
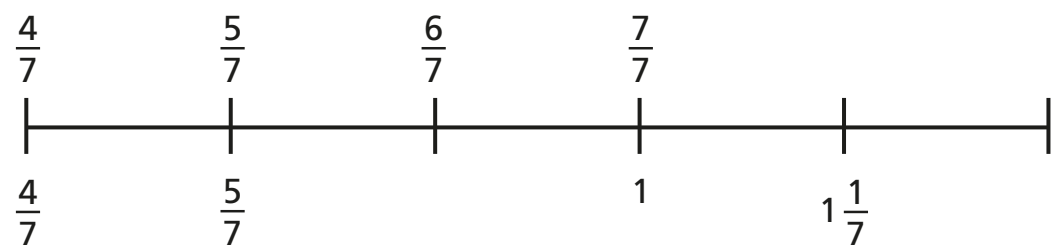


b)



2 Complete the number lines.

a)



3 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, , ,

What is the same and what is different about the sequences in parts b) and c)?

Talk about it with a partner.



4 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

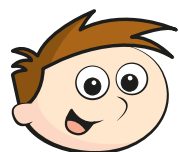
$4\frac{1}{4}, 3\frac{3}{4}, 3\frac{1}{4}, 2\frac{3}{4}$

subtract one half

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

3, , , , , , , , 4

a)



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

Do you agree with Teddy? \_\_\_\_\_

Explain your answer.

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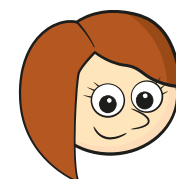
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b) Complete the sequence.

3, , , , , , , , 4

c)



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

Is Rosie correct? \_\_\_\_\_

Explain how you know.

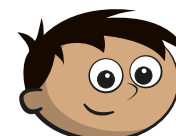
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d) Which other fractions in the sequence can you find equivalent fractions for?

6



I am thinking of a number sequence. The 1st and 4th terms are consecutive integers.

Write the rule for Amir's sequence.

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