## Number sequences

a)

b)

(2) Complete the number lines.

b)

c)

(3) 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) $5 \frac{6}{7}, 5 \frac{3}{7}, 5,4 \frac{4}{7}, 4 \frac{1}{7}, 3 \frac{5}{7}$


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.


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

a)


Do you agree with Teddy? No $\qquad$
Explain your answer.

blank cards because $3 \frac{7}{7}=4$
b) Complete the sequence.

c)


Is Rosie correct? Yes
Explain how you know.
$\frac{4}{8}$ is equivalent to $\frac{1}{2}$ so $3 \frac{4}{8}$ is equivalent to $3 \frac{1}{2}$
d) Which other fractions in the sequence can you find equivalent fractions for?
(6)


Write the rule for Amir's sequence.
Add one third. (Accept subbract one third)

