2.2.21 Fractions

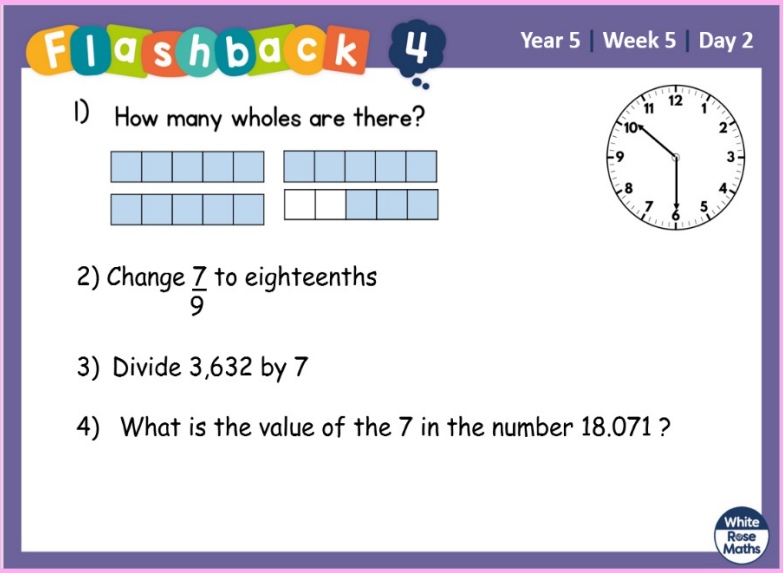
Learning Objective:
We are learning to continue number sequences with fractions.

I will be successful if:

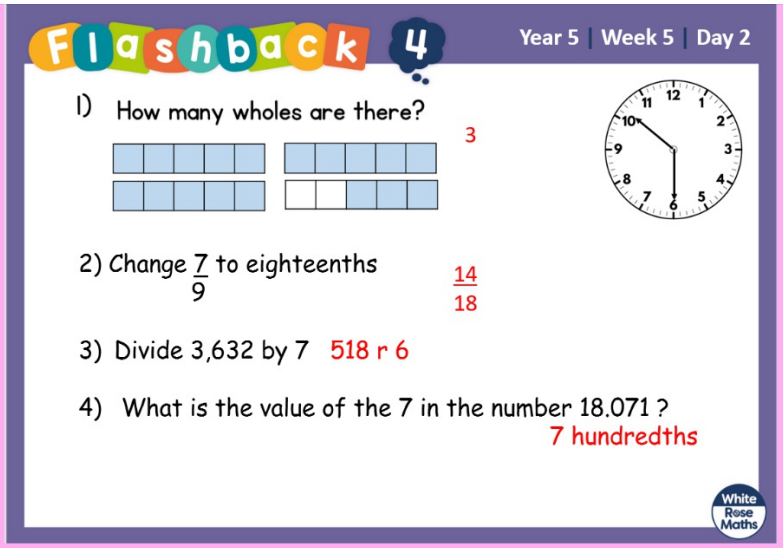
- I can identify if sequences are increasing or decreasing and explain the rule.
- I can show number sequences with pictures
- I can reason about fractions.

Key Vocabulary

fractions as part of a whole
equal
representations
shapes
quantities
numerator
denominator
non-unit and unit fractions
consecutive integers
sequence
rule



Challenge - Write these times as 24 hour clock times and in words.



Challenge - Write these times as 24 hour clock times and in words.

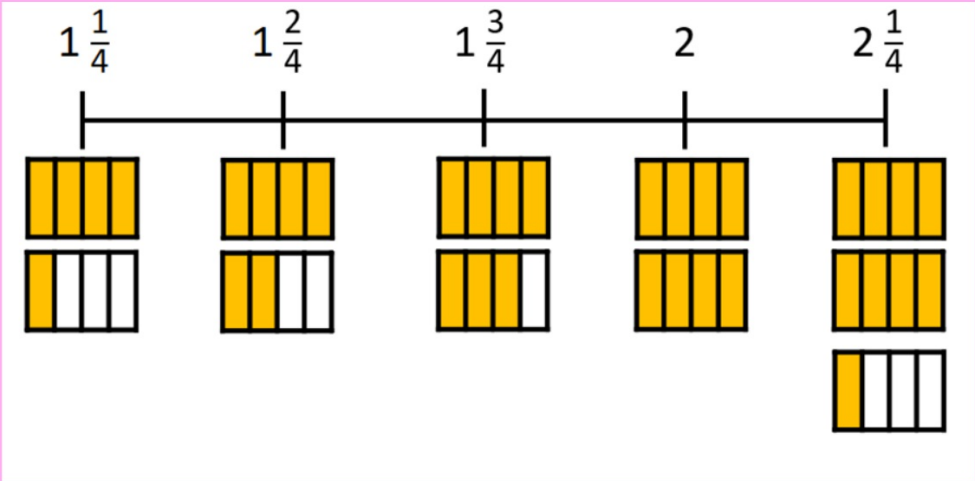
10:25 -twenty five minutes past ten
09:55 - five minutes to 10
07:00 - seven o'clock
04:30 - half past four

Number sequences

72 , 77, 82, 87, 92 = The sequence is increasing

Rule = +5

Will fraction sequences be the same?

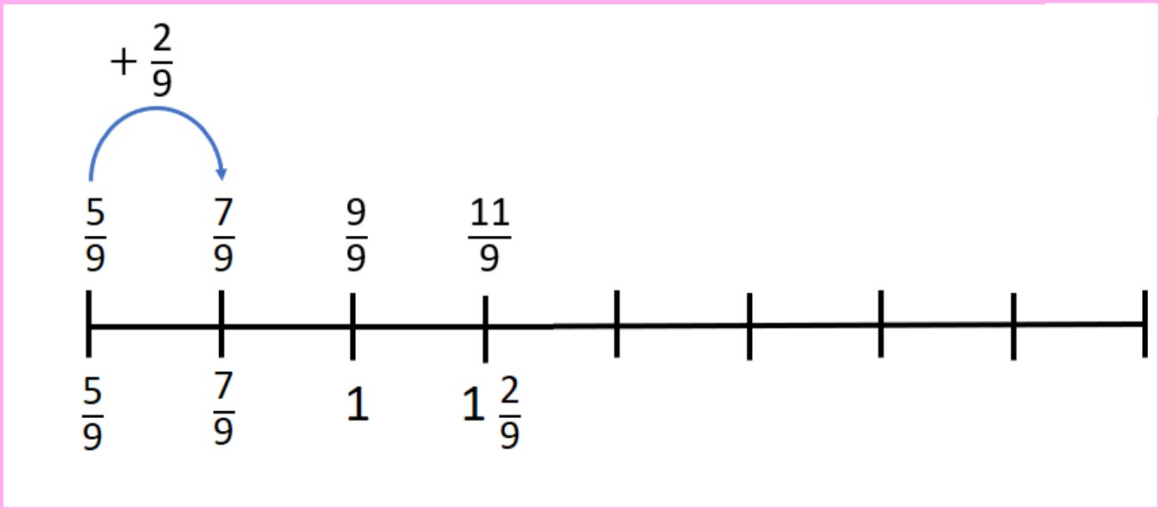


Is the sequence increasing or decreasing?

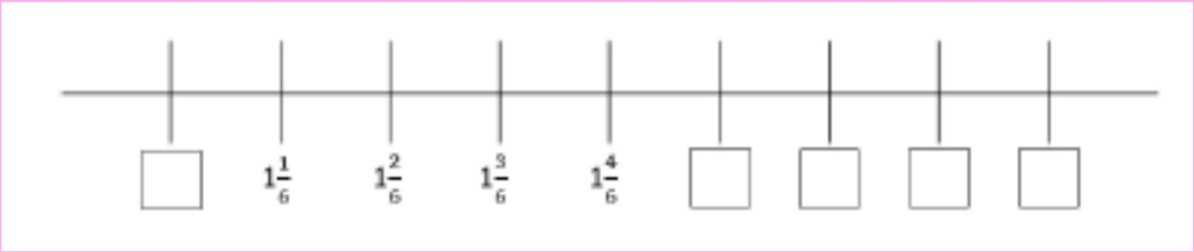
What is the rule for the sequence?

The sequence is increasing by $\frac{2}{9}$ each time.

Complete the sequence.



Complete the sequences.



Rule=_____

$6\frac{1}{11}$, $5\frac{8}{11}$, ☐, ☐, ☐

Rule=_____

Complete these number sequences.

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

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

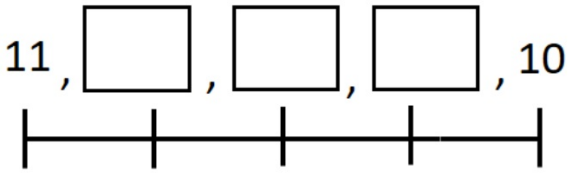
$\frac{\square}{\square}, 5\frac{1}{2}, 5\frac{7}{10}, 5\frac{9}{10}$

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

True or false? Explain your answer.

There are three boxes so the missing fractions are thirds.

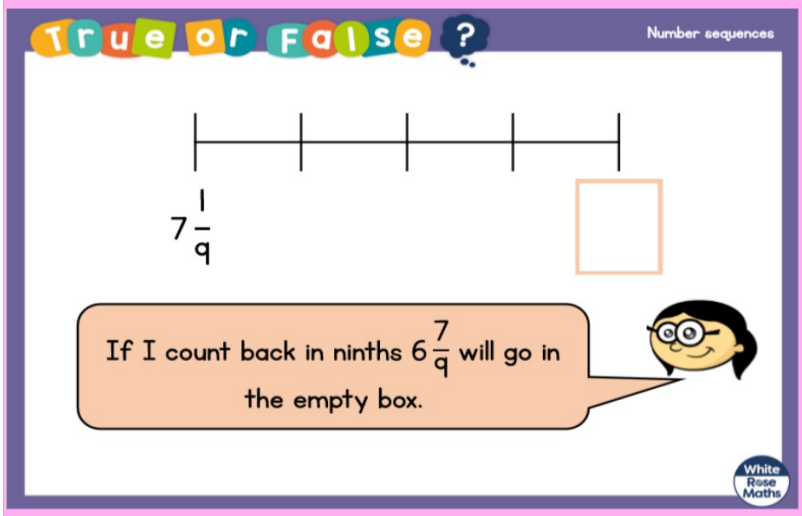
The 1st and 5th terms are consecutive integers.



2.2.21

Have a go at the questions on the sheet attached.

Reasoning challenges

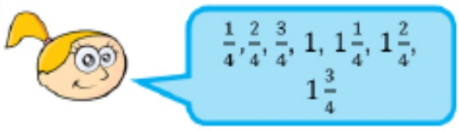


Three children are counting in quarters.

Whitney

Teddy

Eva



Who is counting correctly?
Explain your reasons.