

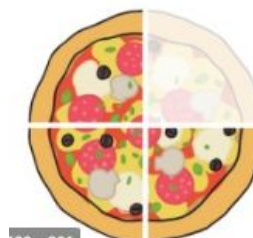
Steppingstone activity

LO: To add a subtract fraction

Success Criteria:



1. Look at the image
2. Make your fraction
3. Add or subtract the fraction
4. Write the answer



Numerator
How many equal parts do you have?
3

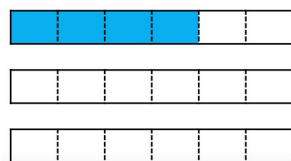
Denominator
How many equal parts is the whole divided into?
4

Model

1. 2. 3. 4. 4.

1. This sequence increases by $\frac{1}{6}$ each time.

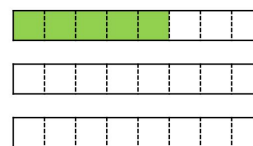
Shade the bar model to show the next 2 numbers



$\frac{3}{6}$ and $\frac{6}{6}$

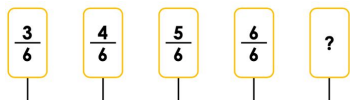
2. This sequence increases by $\frac{1}{8}$ each time.

Shade the bar model to show the next 2 numbers



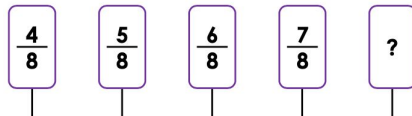
$\frac{6}{8}$ and $\frac{7}{8}$

3. What fraction comes next?



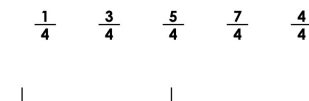
$\frac{7}{6}$ or $1 \frac{1}{6}$

4. What fraction comes next?



$\frac{8}{8}$ or 1

5. Chose 3 fractions to make a sequence increasing by $\frac{1}{4}$ each time.



$\frac{3}{5}$, $\frac{4}{5}$, and $\frac{5}{5}$

Canonbury Home Learning
Year 4 Maths

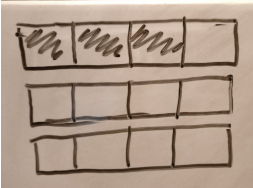
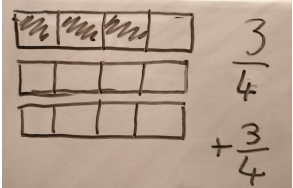
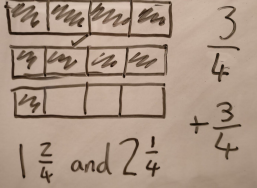
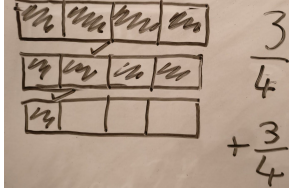
Lesson 17

LO: To add a subtract fractions (counting)

Success Criteria:

1. Look at the image
2. Make your fraction
3. Add or subtract the fraction
4. Write the answer

Model:

1.  2.  3.  4. 



3 ← **Numerator**
How many equal parts do you have?

4 ← **Denominator**
How many equal parts is the whole divided into?

Year 4 Maths Main activity

Complete at least 2 columns, more if you can!

Task 1

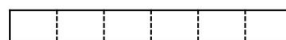
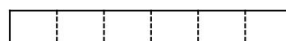
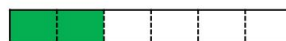
Practice: Read the question and following the fraction sequence.

1. This sequence increases by $\frac{3}{12}$ each time. Shade the bar model to show the next 2 numbers.



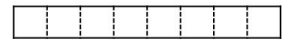
$\frac{8}{12}$ and $\frac{5}{12}$

2. This sequence increases by $\frac{2}{6}$ each time. Shade the bar model to show the next 2 numbers.



$\frac{4}{6}$ and $\frac{6}{6}$

3. This sequence increases by $\frac{3}{4}$ each time. Shade the bar model to show the next 2 numbers.



$1 \frac{2}{8}$ and 2

4. This sequence increases by $\frac{3}{5}$ each time. Shade the bar model to show the next 2 numbers.

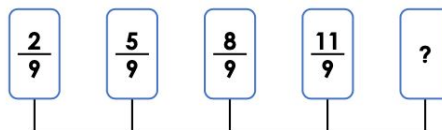


$1 \frac{2}{10}$ and $1 \frac{8}{10}$

Task 2

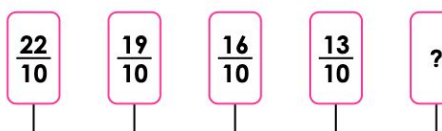
Practice: Read the question and following the fraction sequence.

1. Which fraction comes next?



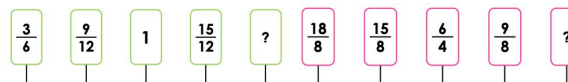
$\frac{14}{9}$

2. Which fraction comes next?



$\frac{10}{10}$

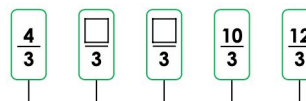
3. Finish the sequences



$\frac{9}{6}$ or $\frac{18}{12}$

$\frac{12}{8}$ or $\frac{6}{4}$

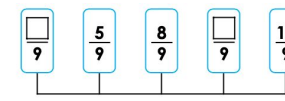
4. Complete the sequences



Rewrite the sequence using mixed numbers.

$\frac{6}{3}$ and $\frac{8}{3}$

Various answers



Rewrite the sequence using mixed numbers.

$\frac{2}{9}$ and $\frac{11}{9}$

Various answers

Task 3

Reasoning

Explain your answers.

6a. Alice has written the following sequence:

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



The next number will be 1.

**Is she correct?
Explain your answer.**

6a. Alice is incorrect. The next number should be $\frac{4}{5}$ because the sequence decreases by $\frac{2}{5}$ each time.

9b. Brad has written the following sequence:

$$\frac{5}{7}, 1\frac{1}{7}, 1\frac{4}{7}$$



The next number will be 2.

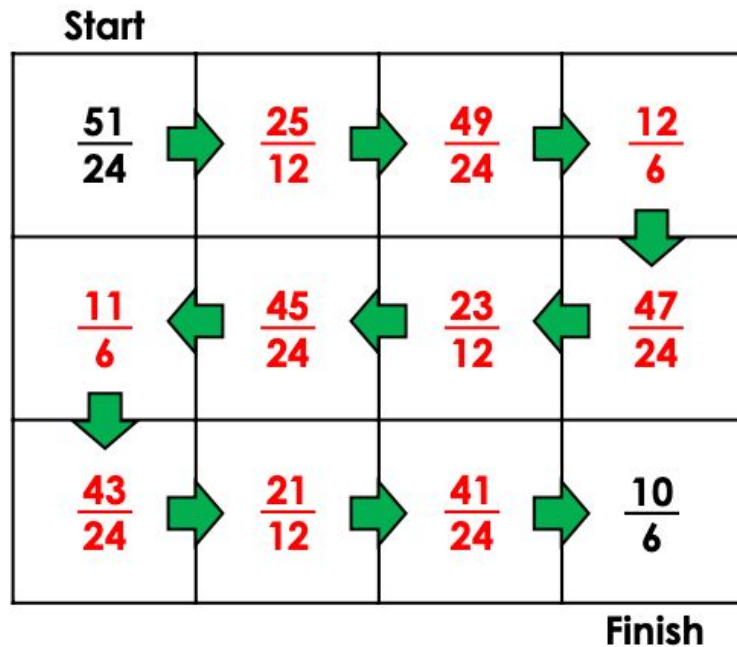
**Is he correct?
Explain your answer.**

9b. Brad is correct. The next number would be 2 because the sequence increases by $\frac{3}{7}$ each time.

Task 4

Problem solving

1. Using the rules below, complete the track from start to finish by counting in equal fractions. Remember to use equivalent fractions to save your 6ths!



Rules

1. Three of the boxes must contain 6ths.
2. Three of the boxes must contain 12ths.
3. Six of the boxes must contain 24ths.

The sequence decreases by $\frac{1}{24}$ each time. To ensure the number of 6ths, 12ths and 24ths is not exceeded, the fractions need to be simplified.