Steps to success

Lockdown work	
Date	23.2.21
Subject/s	Maths
Learning Objective	To add 2 or more fractions.

		SA	TA
Success Criteria ✓! 🗒	I can add 2 or more fractions with the same denominator.		
	I know what an improper fraction is.		
	I know that only the numerator changes.		
Support	Independently Support ( ) Group work		
Pre-task:			

Add these together using what you have already learnt.

1. $\frac{1}{3} + \frac{1}{3} + \frac{2}{3} =$

2. $\frac{2}{6} + \frac{3}{6} + \frac{4}{6} =$

3. $\frac{1}{7} + \frac{3}{7} + \frac{4}{7} =$

Use this video to help you understand how to complete the fluency task: https://vimeo.com/507468794

Fluency

1.

Write the calculations to match these fraction models and calculate the answer.

a) _____

b) _____

2. $\dfrac{1}{4} + \dfrac{3}{4} + \dfrac{1}{4} =$

3. $\dfrac{2}{5} + \dfrac{2}{5} + \dfrac{2}{5} =$

4. $\dfrac{3}{6} + \dfrac{2}{6} + \dfrac{4}{6} =$

5. $\dfrac{4}{10} + \dfrac{2}{10} + \dfrac{3}{10} =$

6. $\dfrac{2}{7} + \dfrac{2}{7} + \dfrac{2}{7} =$

7. $\dfrac{4}{5} + \dfrac{2}{5} + \dfrac{3}{5} =$

8. $\dfrac{2}{3} + \dfrac{1}{3} + \dfrac{2}{3} =$

Reasoning and problem-solving:

Alex is adding fractions.

$$\frac{3}{9} + \frac{2}{9} = \frac{5}{18}$$

Is she correct? Explain why.

How many different ways can you find to solve the calculation?

$$\frac{\square}{\square} + \frac{\square}{\square} = \frac{11}{9}$$

Use it!

Mo and Teddy are solving:

$$\frac{6}{13} + \frac{5}{13} + \frac{7}{13}$$

Mo

The answer is 1 and $\frac{5}{13}$

Teddy

The answer is $\frac{18}{13}$

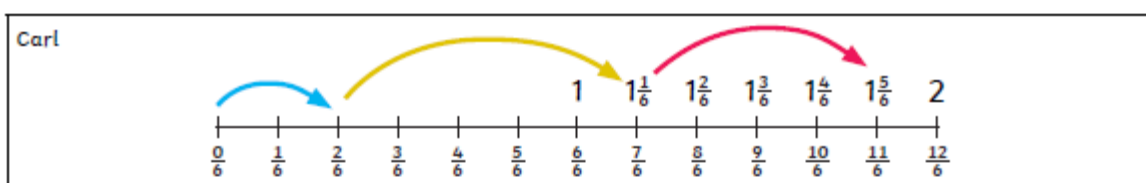Who do you agree with?
Explain why.

Further challenge

Each child has used a different model to help them calculate the answer to the calculation. Mark their work, correct it and give them feedback.

$$\frac{2}{6} + \frac{5}{6} + \frac{3}{6} = \frac{\square}{\square}$$

Lilah		Correct ( ) or Incorrect ( )?
Feedback		

Carl		
Feedback		Correct ( ) or Incorrect ( )?

Nadia		Correct ( ) or Incorrect ( )?
Feedback		