



# YR6 PROGRESSION IN MASTERY LESSON PACK - SIMPLIFYING FRACTIONS

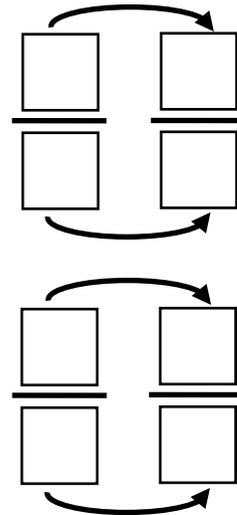
## FLUENCY 1

Complete the stem sentence.

If we divide the fraction's \_\_\_\_\_ and \_\_\_\_\_ by the  
 \_\_\_\_\_,  
 we will find its simplest form.

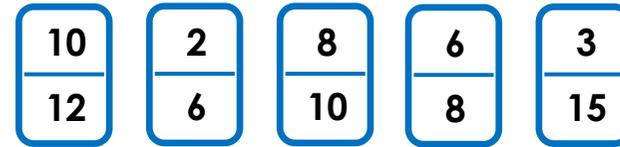
## FLUENCY 2

Use the bar models to help you simplify the fractions.



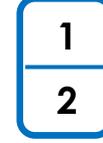
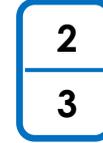
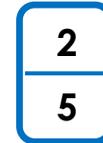
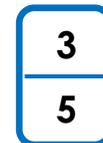
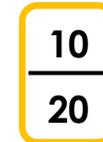
## FLUENCY 3

Draw your own bar models to help you simplify.



## FLUENCY 4

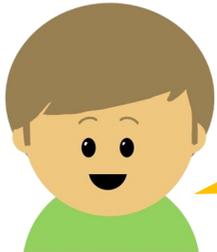
Match the fraction with its simplified fraction.





**REASONING 1**

Jerry says....



7/12 cannot be simplified.

Do you agree?

Explain your reasoning.

**REASONING 2**

Always, Sometimes or Never True?



*When you simplify a fraction, both the numerator and the denominator will be smaller than the original fraction.*

**REASONING 3**

Which of these is the Odd One Out?

$$\frac{12}{16}$$

$$\frac{16}{18}$$

$$\frac{15}{20}$$

$$\frac{30}{40}$$

**REASONING 4**

Spot the mistake.



20/24 simplified to its simplest form is 10/12.

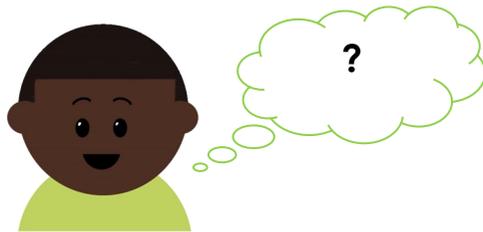
Explain Darcey's error and correct it.





**PROBLEM SOLVING 1**

Caleb is thinking of a fraction...



It simplifies to  $9/10$ .

The denominator is a multiple of 20.

The numerator has a digit that is a prime number.

All the digits in the numerator are greater than 3.

**What could Caleb's fraction be?**

**PROBLEM SOLVING 2**

Using the digits 1 - 9 , explore how many simplified fractions you can create.



**Work systematically to find all possibilities.**

