



FLUENCY 1

FIRST

Use the visual representation to complete the addition and stem sentence.



$$\frac{2}{7} + \frac{3}{7} = \underline{\quad}$$

When we add fractions, we add the _____ but the _____ stays the same.

NOW

Use this to write and solve the fraction additions shown with the bar models.



FLUENCY 2

Draw your own bar models to help you answer the number sentences.

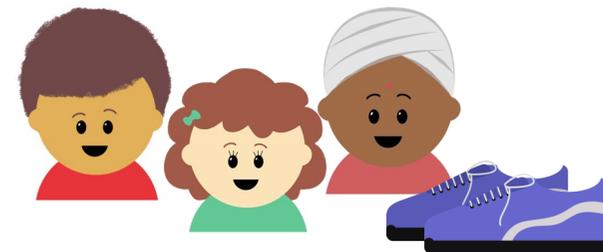
$$\frac{4}{6} + \frac{2}{6} = \underline{\quad}$$

$$\frac{2}{8} + \frac{2}{8} + \frac{3}{8} = \underline{\quad}$$

FLUENCY 3

Marlon, Darcey and Ranjit each ran $\frac{3}{10}$ of the way round the school field.

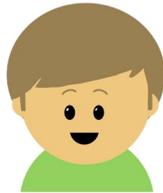
What fraction of the field did they run round in total?





REASONING 1

Jerry has been adding fractions...



$$\frac{3}{9} + \frac{4}{9} = \frac{7}{18}$$

Describe and correct the error Jerry has made.

REASONING 2

Which is the odd one out?

$$\frac{3}{9} + \frac{6}{9} = \text{---}$$

$$\frac{5}{12} + \frac{7}{12} = \text{---}$$

$$\frac{3}{10} + \frac{6}{10} = \text{---}$$

Explain your reasoning!

REASONING 3

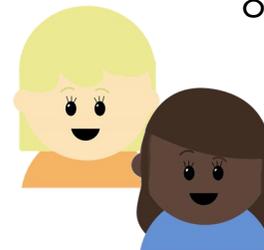
Convince me!

$$\frac{3}{11} + \frac{7}{11} = \frac{10}{11}$$

Use words and pictures to convince me that the number sentence is correct.

REASONING 4

$$\frac{3}{8} + \text{---} = \frac{7}{8}$$



Anita says, "I think the missing fraction is $\frac{5}{8}$."

Jane says, "I think the missing fraction is $\frac{4}{7}$."

Who do you agree with?

Explain how you know.





PROBLEM SOLVING 1

New Hill Farm has some cows and chickens.

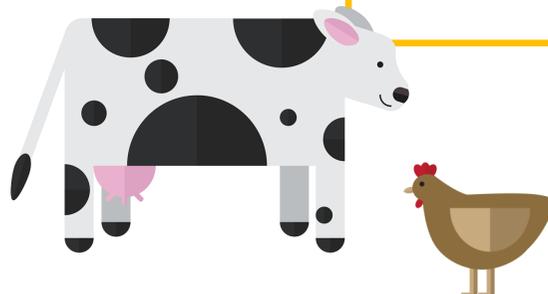
Use the clues to work out what fraction of the animals are cows and what fraction are chickens.

13/15 of the animals on the farm are cows or chickens.

The numerator of the fraction of cows is odd.

The numerator of the fraction of chickens is even.

There are more chickens than cows.



Find all possibilities.

