



Add and subtract fractions - same denominator

Name: _____

Date: _____

Fractions and Decimals

Investigate strategies to solve problems involving addition and subtraction of fractions with the same denominator (VCMNA188)

Understanding

1. Add the following fractions.

$$\frac{1}{4} + \frac{2}{4} =$$

$$\frac{1}{5} + \frac{3}{5} =$$

2. Subtract the following fractions.

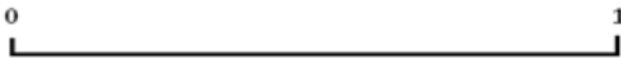
$$\frac{2}{3} - \frac{1}{3} =$$

$$\frac{4}{7} - \frac{2}{7} =$$

Fluency

1. Use the number line to show how you can simplify the fractions below.

$$\frac{5}{6} - \frac{3}{6} =$$



2. Shade the fraction of each shape to show how you can simplify the fractions below.

$$\frac{1}{4} + \frac{2}{4} =$$



Problem Solving

1. Isabella cut a pizza into 8 pieces. She gave 3 pieces to Mark and 2 pieces to Brian.



a) What fraction of pizza did she give out?

b) What fraction of pizza does she have left?

2. Robert adds $\frac{1}{7}$ of a tank of petrol to his car on Tuesday and $\frac{3}{7}$ of a tank of petrol to his car on Wednesday. What fraction of petrol has he added to his car?



Reasoning

1. Simplify the fractions below, and then draw the answer to each question to show which fraction is larger.

$$\frac{1}{5} + \frac{1}{5} =$$

$$\frac{8}{10} - \frac{3}{10} =$$

2. Write a fraction addition problem that equals $\frac{6}{7}$.

$$= \frac{6}{7}$$