Mixed Numbers to Improper Fractions

7a. Use the clues to find the missing digits.

An odd number.

These digits add together to make 9.

$$6\frac{\square}{12} = \frac{\square\square}{4}$$

Show your working.

GD

PS

Mixed Numbers to Improper Fractions

7b. Use the clues to find the missing digits.

The numerator is a factor of the denominator.

These digits have a difference of 7.

$$7\frac{\square}{8} = \frac{\square\square}{4}$$

Show your working.

GD

PS

8a. Sue says,

$3\frac{6}{11}$ as an improper fraction is $\frac{39}{11}$.

Do you agree with Sue?
Explain your answer.

GD

R

8b. Simon says,

$4\frac{2}{9}$ as an improper fraction is $\frac{28}{9}$.

Do you agree with Simon?
Explain your answer.

GD

R

9a. Atifa has a mixed number.

A. It includes 5 wholes.

B. The denominator is less than 12 but more than 4.

C. The numerator is half the denominator.

What could Atifa's fraction be when it is converted to an improper fraction?

List all the possibilities.

GD

PS

9b. Vicky has a mixed number.

A. It includes 3 wholes.

B. The denominator is less than 15 and has a digit sum of 3.

C. The numerator is a third of the denominator.

What could Vicky's fraction be when it is converted to an improper fraction?

List all the possibilities.

GD

PS