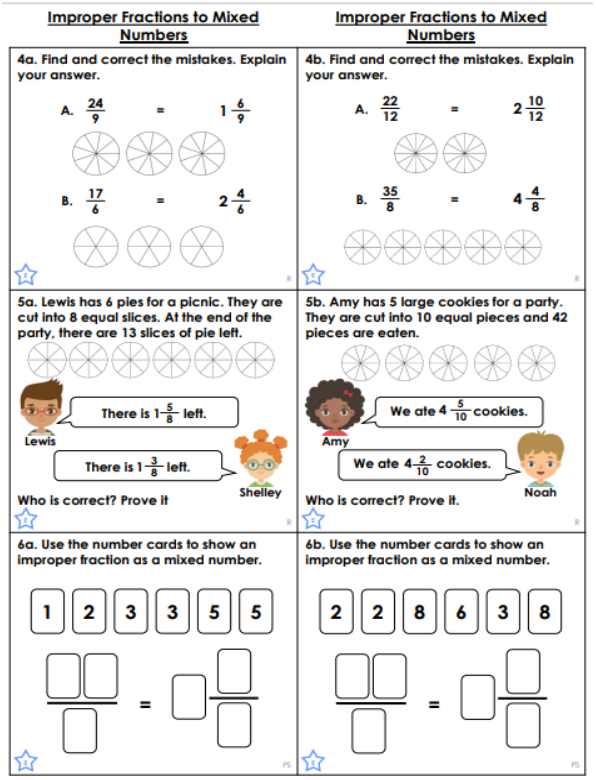
# W3 HW_Y5



**Improper Fractions to Mixed Numbers**

**4a. Find and correct the mistakes. Explain your answer.**

A. $\frac{24}{9} = 1\frac{6}{9}$

B. $\frac{17}{6} = 2\frac{4}{6}$

**4b. Find and correct the mistakes. Explain your answer.**

A. $\frac{22}{12} = 2\frac{10}{12}$

B. $\frac{35}{8} = 4\frac{4}{8}$

**5a. Lewis has 6 pies for a picnic. They are cut into 8 equal slices. At the end of the party, there are 13 slices of pie left.**

Lewis: There is $1\frac{5}{8}$ left.

Shelley: There is $1\frac{3}{8}$ left.

Who is correct? Prove it

**5b. Amy has 5 large cookies for a party. They are cut into 10 equal pieces and 42 pieces are eaten.**

Amy: We ate $4\frac{5}{10}$ cookies.

Noah: We ate $4\frac{2}{10}$ cookies.

Who is correct? Prove it.

**6a. Use the number cards to show an improper fraction as a mixed number.**

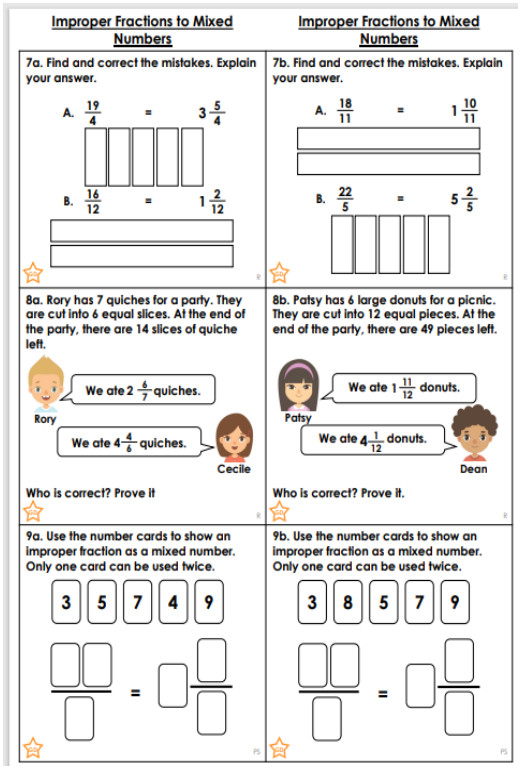
1 2 3 3 5 5

$\square\square = \square\frac{\square}{\square}$

**6b. Use the number cards to show an improper fraction as a mixed number.**

2 2 8 6 3 8

$\square\square = \square\frac{\square}{\square}$



**Improper Fractions to Mixed Numbers**

**7a. Find and correct the mistakes. Explain your answer.**

A. $\frac{19}{4} = 3\frac{5}{4}$

B. $\frac{16}{12} = 1\frac{2}{12}$

**7b. Find and correct the mistakes. Explain your answer.**

A. $\frac{18}{11} = 1\frac{10}{11}$

B. $\frac{22}{5} = 5\frac{2}{5}$

**8a. Rory has 7 quiches for a party. They are cut into 6 equal slices. At the end of the party, there are 14 slices of quiche left.**

Rory: We ate $2\frac{6}{7}$ quiches.

Cecile: We ate $4\frac{4}{6}$ quiches.

Who is correct? Prove it

**8b. Patsy has 6 large donuts for a picnic. They are cut into 12 equal pieces. At the end of the party, there are 49 pieces left.**

Patsy: We ate $1\frac{11}{12}$ donuts.

Dean: We ate $4\frac{1}{12}$ donuts.

Who is correct? Prove it.

**9a. Use the number cards to show an improper fraction as a mixed number. Only one card can be used twice.**

3 5 7 4 9

$\square\square = \square\frac{\square}{\square}$

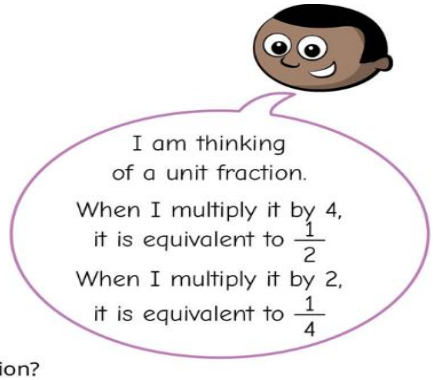
**9b. Use the number cards to show an improper fraction as a mixed number. Only one card can be used twice.**

3 8 5 7 9

$\square\square = \square\frac{\square}{\square}$

Expected

Greater Depth




What is Mo's fraction?

What does Mo need to multiply his fraction by so that his answer is equivalent to $\frac{3}{4}$?

Write a similar question for a partner to solve.

Work out the calculations.

$\frac{3}{4} \times 3$ $\quad$ $4 \times \frac{4}{5}$ $\quad$ $\frac{5}{6} \times 5$

What patterns do you notice?

What comes next in the sequence?