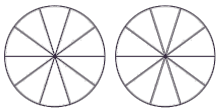
Improper Fractions to Mixed Numbers

1a. Find and correct the mistakes. Explain your answer.

A. $\frac{14}{3}$ = $4\frac{3}{2}$

B. $\frac{15}{10}$ = $2\frac{5}{10}$



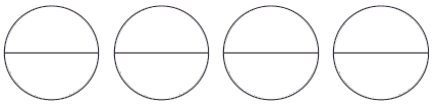
D

R

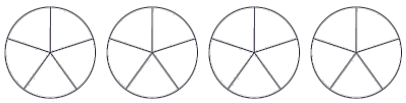
Improper Fractions to Mixed Numbers

1b. Find and correct the mistakes. Explain your answer.

A. $\frac{7}{2}$ = $2\frac{3}{2}$



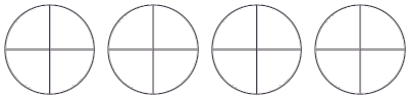
B. $\frac{18}{5}$ = $3\frac{4}{5}$



D

R

2a. Peter has 4 pizzas for a party. They are cut into 4 equal slices. At the end of the party, there are 9 slices of pizza left.



Peter: There is $1\frac{9}{4}$ left.

Sara: There is $2\frac{1}{4}$ left.

Who is correct? Prove it

D

R

2b. Taylor has 5 cakes for a tea party. They are cut into 5 equal slices. At the end of the party, 9 slices are left.

Taylor: There is $1\frac{4}{5}$ left.

Michael: There is $1\frac{4}{9}$ left.

Who is correct? Prove it.

D

R

3a. Use the number cards to show an improper fraction as a mixed number.

1	1	6	3

$\frac{\square\square}{2} = \square\frac{\square}{2}$

D

PS

3b. Use the number cards to show an improper fraction as a mixed number.

3	3	1	5

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

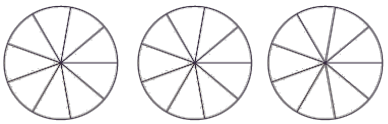
D

PS

Improper Fractions to Mixed Numbers

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

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



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

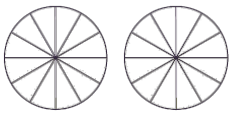
E

R

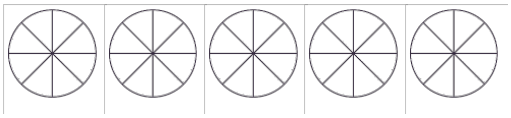
Improper Fractions to Mixed Numbers

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

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



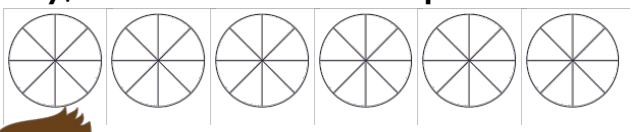
B. $\frac{35}{8}$ = $4\frac{4}{8}$



E

R

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.

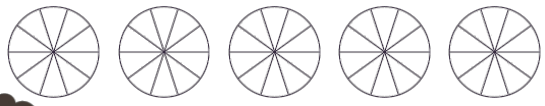
Shelley: There is $1\frac{3}{8}$ left.

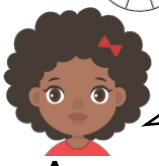
Who is correct? Prove it

E

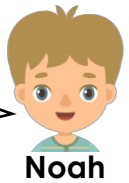
R

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.

E

R

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

1	2	3	3	5	5

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

E

PS

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

2	2	8	6	3	8

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

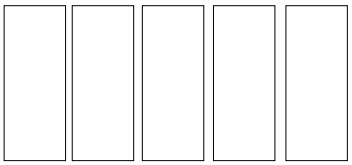
E

PS

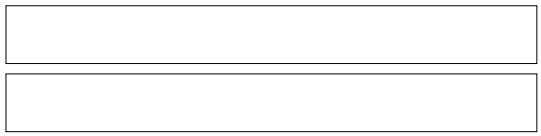
Improper Fractions to Mixed Numbers

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

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



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

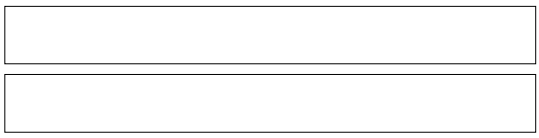


GD R

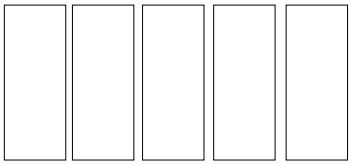
Improper Fractions to Mixed Numbers

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

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



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



GD R

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.

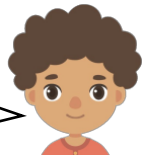
Cecile: We ate $4\frac{4}{6}$ quiches.

Who is correct? Prove it

GD R

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.

GD R

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

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

GD PS

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

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

GD PS

Reasoning and Problem Solving
Improper Fractions to Mixed Numbers

Developing

1a. A. The numerator and denominator are incorrect. The mixed number should be $4\frac{2}{3}$.

B. The whole number is incorrect. The mixed number should be $1\frac{5}{10}$ or $1\frac{1}{2}$

2a. Sara is correct. $\frac{9}{4} = 2\frac{1}{4}$

3a. $\frac{13}{2} = 6\frac{1}{2}$

Expected

4a. A. The whole number is incorrect. The mixed number should be $2\frac{6}{9}$ or $2\frac{2}{3}$.

B. The numerator is incorrect. The mixed number should be $2\frac{5}{6}$.

5a. Lewis is correct. $\frac{13}{8} = 1\frac{5}{8}$

6a. $\frac{13}{5} = 2\frac{3}{5}$

Greater Depth

7a A. The numerator is bigger than the denominator so the whole number should be 4. The mixed number should be $4\frac{3}{4}$.

B. The numerator is incorrect. The mixed fraction should be $1\frac{4}{12}$ or $1\frac{1}{3}$.

8a. Cecile is correct. $\frac{28}{6} = 4\frac{4}{6}$

9a. $\frac{39}{7} = 5\frac{4}{7}$

Reasoning and Problem Solving
Improper Fractions to Mixed Numbers

Developing

1b. A. The numerator is bigger than the denominator so the whole number should be 3. The mixed number should be $3\frac{1}{2}$.

B. The numerator is incorrect. The mixed number should be $3\frac{3}{5}$.

2b. Taylor is correct. $\frac{9}{5} = 1\frac{4}{5}$

3b. $\frac{15}{4} = 3\frac{3}{4}$

Expected

4b. A. The whole number is incorrect. The mixed number should be $1\frac{10}{12}$ or $1\frac{5}{6}$.

B. The numerator is incorrect. The mixed number should be $4\frac{3}{8}$.

5b. Noah is correct. $\frac{42}{10} = 4\frac{2}{10}$

6b. $\frac{26}{8} = 3\frac{2}{8}$

Greater Depth

7b. A. The numerator is incorrect. The mixed number should be $1\frac{7}{11}$.

B. The whole number is incorrect. The mixed number should be $4\frac{2}{5}$.

8b. Patsy is correct. $\frac{23}{12} = 1\frac{11}{12}$

9b. $\frac{59}{8} = 7\frac{3}{8}$