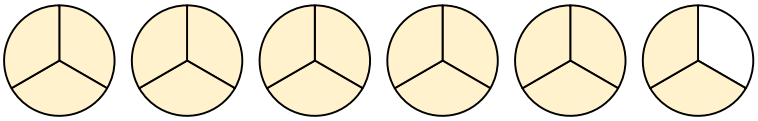
Mixed Numbers to Improper Fractions

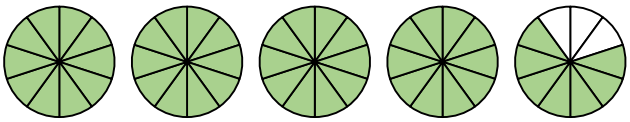
1. Convert the mixed numbers to improper fractions and use <, > or = to complete the comparison statement.

A.



$5\frac{2}{3}$ = ☐ ☐ $\frac{17}{3}$

B.



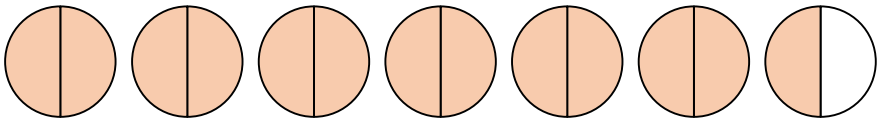
$4\frac{7}{10}$ = ☐ ☐ $\frac{43}{10}$

D

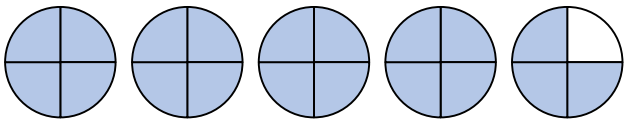
VF
HW/Ext

2. Identify the missing numbers.

A. $6\frac{1}{\square} = \frac{\square}{2}$



B. $4\frac{3}{\square} = \frac{\square}{4}$



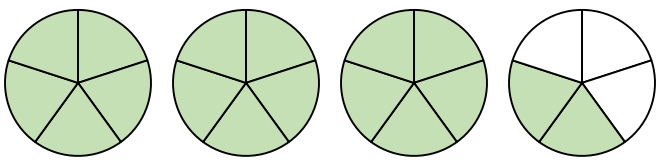
D

VF
HW/Ext

3. Sasha says,

Sasha

I think $3\frac{2}{5}$ equals $\frac{15}{5}$.



Is she correct? Explain your answer.

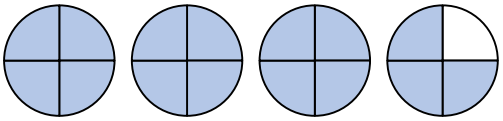
D

RPS
HW/Ext

Mixed Numbers to Improper Fractions

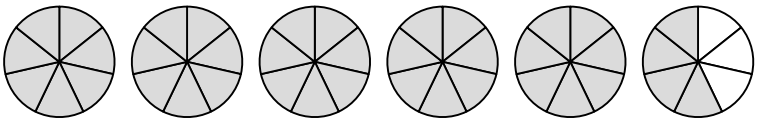
4. Convert the mixed numbers to improper fractions and use <, > or = to complete the comparison statement.

A.



$3\frac{3}{4} = \square \; \square \; \frac{14}{4}$

B.



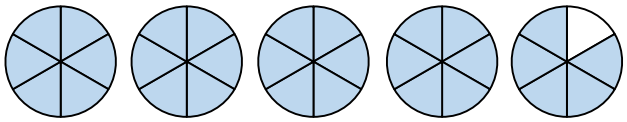
$5\frac{4}{7} = \square \; \square \; \frac{59}{7}$

E

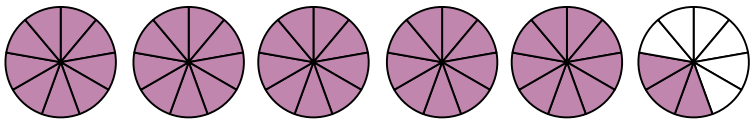
VF
HW/Ext

5. Identify the missing numbers.

A. $4\frac{5}{\_\_} = \frac{\_\_}{6}$



B. $5\frac{3}{\_\_} = \frac{\_\_}{9}$



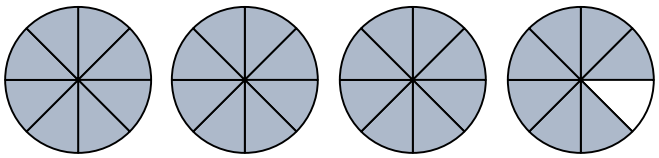
E

VF
HW/Ext

6. Raymond says,

I think $3\frac{7}{8}$ equals $\frac{21}{8}$.

Raymond



Is he correct? Explain your answer.

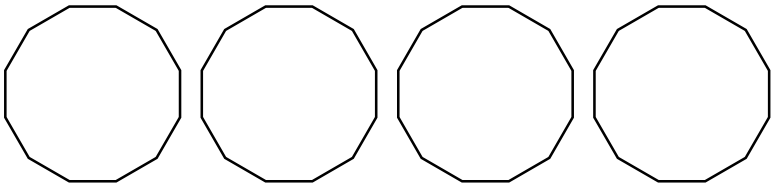
E

RPS
HW/Ext

Mixed Numbers to Improper Fractions

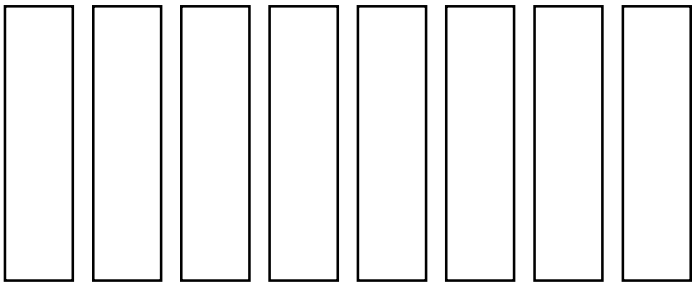
7. Complete the visual representations to convert the mixed numbers to improper fractions. Use <, > or = to complete the comparison statement.

A.



$2\frac{7}{12}$ = ☐ $\frac{29}{12}$

B.



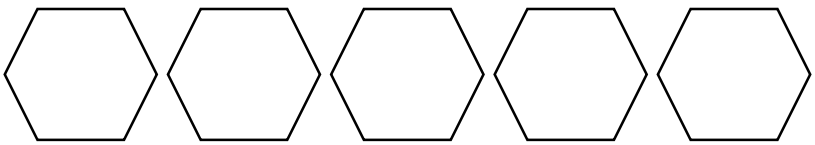
$6\frac{9}{11}$ = ☐ $\frac{75}{11}$

GD

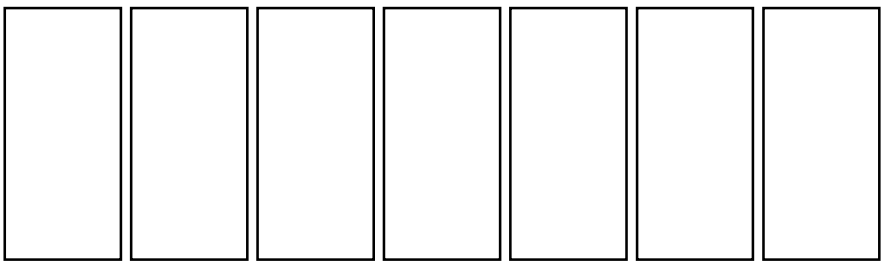
VF
HW/Ext

8. Identify the missing numbers.

A. $3\frac{7}{\square} = \frac{\square}{8}$



B. $4\frac{6}{\square} = \frac{\square}{7}$



GD

VF
HW/Ext

9. Raya says,

Raya

I think $4\frac{8}{9}$ equals $\frac{44}{9}$.

Is she correct? Explain your answer.

GD

RPS
HW/Ext

Homework/Extension
Mixed Numbers to Improper Fractions

Developing

1. A. $\frac{17}{3} = \frac{17}{3}$; B. $\frac{47}{10} > \frac{43}{10}$
2. A. $6\frac{1}{2} = \frac{13}{2}$; B. $4\frac{3}{4} = \frac{19}{4}$
3. Sasha is incorrect because she has multiplied the whole number with the denominator to get the new numerator but has not added the existing numerator to the multiplied number. The correct answer is $\frac{17}{5}$.

Expected

4. A. $\frac{15}{4} > \frac{14}{4}$; B. $\frac{39}{7} < \frac{59}{7}$
5. A. $4\frac{5}{6} = \frac{29}{6}$; B. $5\frac{3}{9} = \frac{48}{9}$
6. Raymond is incorrect because he has multiplied the whole number with the numerator to find the numerator for the improper fraction. He should have multiplied the whole number with the denominator and added the numerator to find the numerator for the improper fraction. The correct answer is $\frac{31}{8}$.

Greater Depth

7. A. $\frac{31}{12} > \frac{29}{12}$; B. $\frac{75}{11} = \frac{75}{11}$
8. A. $3\frac{7}{8} = \frac{31}{8}$; B. $4\frac{6}{7} = \frac{34}{7}$
9. Raya is correct because she has multiplied the whole number with the denominator and then added the numerator to find the improper fraction.