Challenge questions – Fluency

7a. Using the mixed numbers below, complete the statement.

$2\frac{3}{6}$ $\quad$ $2\frac{6}{9}$

$\square\frac{\square}{\square} < \square\frac{\square}{\square}$

8a. Put the fractions in ascending order, and include the fraction $4\frac{8}{12}$.

$\frac{24}{6}$, $4\frac{4}{12}$, $4\frac{15}{18}$

9a. Order the fractions from smallest to greatest.

$\frac{66}{21}$	$3\frac{18}{21}$	3
$4\frac{6}{14}$	$3\frac{8}{14}$	$\frac{87}{21}$

Challenge questions – problem solving

7a. Using the clue and digit cards below, complete the statement with improper fractions.

$\frac{8}{3}$

6	9	28	24

$\square\frac{\square}{\square} > \square\frac{\square}{\square}$

8a. Circle the mistake in the table below.

Less than $3\frac{6}{15}$	More than $3\frac{6}{15}$
$\frac{36}{10}$	$\frac{63}{15}$
$3\frac{6}{30}$	$3\frac{6}{10}$
$\frac{48}{20}$	$\frac{62}{15}$

Explain why this is incorrect.

9a. Two children are ordering fractions.

$\frac{31}{12}$ $\square$ $\frac{39}{12}$

Jason says,

The missing fraction could be $\frac{25}{8}$

Rachel says

The missing fraction could be $\frac{28}{8}$.

Who is correct? Convince me.

Application questions

Eva and Alex each have two identical pizzas.

Eva says,

I have cut each pizza into 6 equal pieces and eaten 8

Alex says,

I have cut each pizza into 9 equal pieces and eaten 15

Who ate the most pizza?

Use a drawing to support your answer.

Dora looks at the fractions $1\frac{7}{12}$ and $1\frac{3}{4}$

She says,

$1\frac{7}{12}$ is greater than $1\frac{3}{4}$ because the numerator is larger

Do you agree?

Explain why using a model.

Answers – Fluency

7a. $2\frac{3}{6} < 2\frac{6}{9}$

8a. $\frac{24}{6}, 4\frac{4}{12}, 4\frac{8}{12}, 4\frac{15}{18}$

9a. $3, \frac{66}{21}, 3\frac{8}{14}, 3\frac{18}{21}, \frac{87}{21}, 4\frac{6}{14}$

Problem solving

7a. $\frac{28}{6} > \frac{24}{9}$

8a. $\frac{36}{10}$ is the mistake because it is equivalent to $3\frac{9}{15}$ which is more than $3\frac{6}{15}$.

9a. Jason is correct because the fractions are ordered from smallest to largest and his fraction ($\frac{25}{8}$) comes between the two given fractions.

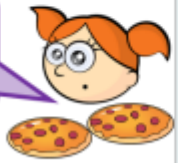
Eva and Alex each have two identical pizzas.

Eva says,

I have cut each pizza into 6 equal pieces and eaten 8

Alex says,

I have cut each pizza into 9 equal pieces and eaten 15



Who ate the most pizza?

Use a drawing to support your answer.

Alex ate the most pizza because $\frac{15}{9}$ is greater than $\frac{8}{6}$

Dora looks at the fractions $1\frac{7}{12}$ and $1\frac{3}{4}$

She says,

$1\frac{7}{12}$ is greater than $1\frac{3}{4}$ because the numerator is larger

Do you agree?

Explain why using a model.

Possible answer:
I do not agree because $1\frac{3}{4}$ is equivalent to $1\frac{9}{12}$ and this is greater than $1\frac{7}{12}$