





Challenge questions – Fluency

7a. Show these improper fractions as a diagram and a mixed number.

A.  $\frac{14}{4}$  


B.  $\frac{29}{6}$  

C.  $\frac{8}{3}$  

 VF

Challenge questions


9a. Kasia has 3 tray bakes to share with her friends.



Each tray bake is cut into 12 equal pieces. They eat 34 pieces.

How much tray bake has been eaten?

Give your answer as a mixed number.

 VF

Challenge question – problem solving

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.



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

Rory



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

Cecile

Who is correct? Prove it




R

Challenge questions

Amir says,

$\frac{28}{3}$  is less than  $\frac{37}{5}$   
because 28 is less than 37



Do you agree?  
Explain why.

Spot the mistake

- $\frac{27}{5} = 5\frac{1}{5}$
- $\frac{27}{3} = 8$
- $\frac{27}{4} = 5\frac{7}{4}$
- $\frac{27}{10} = 20\frac{7}{10}$

What mistakes have been made?

Can you find the correct answers?

## Answers – Fluency

7a. A.  $3\frac{2}{4}$ ; B.  $4\frac{5}{6}$ ; C.  $2\frac{2}{3}$

## Problem solving

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

9a.  $\frac{34}{12} = 2\frac{10}{12}$

## Challenge

Amir says,

$\frac{28}{3}$  is less than  $\frac{37}{5}$   
because 28 is less than 37



Do you agree?  
Explain why.

Possible answer

I disagree because  
 $\frac{28}{3}$  is equal to  $9\frac{1}{3}$   
and  $\frac{37}{5}$  is equal to  
 $7\frac{2}{5}$

$$\frac{37}{5} < \frac{28}{3}$$

### Spot the mistake

- $\frac{27}{5} = 5\frac{1}{5}$
- $\frac{27}{3} = 8$
- $\frac{27}{4} = 5\frac{7}{4}$
- $\frac{27}{10} = 20\frac{7}{10}$

What mistakes have been made?

Can you find the correct answers?

Correct answers

- $5\frac{2}{5}$  (incorrect number of fifths)
- 9 (incorrect whole)
- $6\frac{3}{4}$  (still have an improper fraction)
- $2\frac{7}{10}$  (incorrect number of wholes)