

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)

Three children have incorrectly converted $3\frac{2}{5}$ into an improper fraction.



Annie

$$3\frac{2}{5} = \frac{6}{15}$$



Mo

$$3\frac{2}{5} = \frac{15}{5}$$



Dexter

$$3\frac{2}{5} = \frac{32}{5}$$

Annie has multiplied the numerator and denominator by 3

Mo has multiplied the correctly but then forgotten to add on the extra 2 parts.

Dexter has just placed 3 in front of the numerator.

What mistake has each child made?

A chocolate bar has 12 equal pieces.

Amir eats $\frac{5}{12}$ more of the bar than Whitney.

There is one twelfth of the bar remaining.

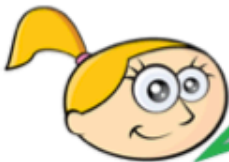
What fraction of the bar does Amir eat?

What fraction of the bar does Whitney eat?

Amir eats $\frac{8}{12}$ of the chocolate bar and Whitney eats $\frac{3}{12}$ of the chocolate bar.

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 $\frac{8}{6}$