

Day 2 extension questions

1.

Ron thinks you can only simplify even numbered fractions because you keep on halving the numerator and denominator until you get an odd number.

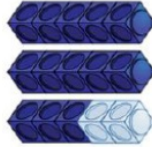
Do you agree?
Explain your answer.

2.

3 friends share some pizzas.
Each pizza is cut into 8 equal slices.
Altogether, they eat 25 slices.
How many whole pizzas do they eat?

3.

Spot the mistake.



$$\frac{13}{5} = 10 \text{ wholes and } 3 \text{ fifths}$$

4. Rosie says,



$\frac{16}{4}$ is greater than $\frac{8}{2}$
because 16 is greater than 8

Do you agree?
Explain why.

5. Amir says,

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



Do you agree?
Explain why.

6.

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?

Day 2 extension questions ANSWERS

1.

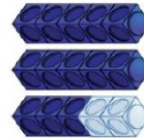
Ron thinks you can only simplify even numbered fractions because you keep on halving the numerator and denominator until you get an odd number.

Do you agree?
Explain your answer.

Ron is wrong. For example $\frac{3}{9}$ can be simplified to $\frac{1}{3}$ and these are all odd numbers.

3.

Spot the mistake.



$$\frac{13}{5} = 10 \text{ wholes and 3 fifths}$$

There are 2 wholes not 10
 $\frac{10}{5} = 2$ wholes

$\frac{13}{5} = 2$ wholes and 3 fifths

6.

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)

2.

3 friends share some pizzas. Each pizza is cut into 8 equal slices. Altogether, they eat 25 slices. How many whole pizzas do they eat?

They eat 3 whole pizzas and 1 more slice.

4.



$\frac{16}{4}$ is greater than $\frac{8}{2}$ because 16 is greater than 8

Do you agree?
Explain why.

I disagree with Rosie because both fractions are equivalent to 4

Children may choose to build both fractions using cubes, or draw bar models.

5.

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 $7\frac{2}{5}$

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