

Day 2 extension questions

1.

Fill in the missing numbers.

$$4 \frac{5}{6} + \frac{\boxed{}}{\boxed{}} = 10 \frac{1}{3}$$

2.

Which subtraction is the odd one out?

A

$$\frac{13}{4} - \frac{3}{8}$$

B

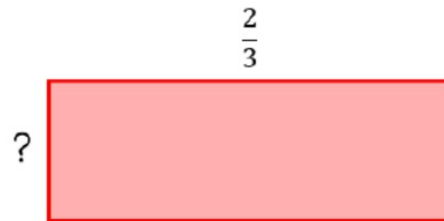
$$\frac{10}{3} - \frac{2}{9}$$

C

$$\frac{23}{7} - \frac{1}{3}$$

Explain why.

3. The perimeter of the rectangle is $\frac{16}{9}$



Work out the missing length.

4.

Amir is attempting to solve $2 \frac{5}{14} - \frac{2}{7}$

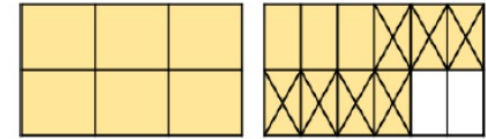
Here is his working out:



$$2 \frac{5}{14} - \frac{2}{7} = 2 \frac{3}{7}$$

Do you agree with Amir?
Explain your answer.

5. Here is Rosie's method.
What is the calculation?



Can you find more than one answer?
Why is there more than one answer?

6.

Place 2, 3 and 4 in the boxes to make the calculation correct.

$$27 \frac{1}{\boxed{}} - \frac{\boxed{}}{6} = 26 \frac{\boxed{}}{3}$$

Day 1 extension questions

1.

Fill in the missing numbers.

$$4 \frac{5}{6} + \boxed{} \frac{\boxed{}}{\boxed{}} = 10 \frac{1}{3}$$

$$5 \frac{3}{6} \text{ or } 5 \frac{1}{2}$$

3. The perimeter of the rectangle is $\frac{16}{9}$



Work out the missing length.

2.

Which subtraction is the odd one out?

A $\frac{13}{4} - \frac{3}{8}$

B $\frac{10}{3} - \frac{2}{9}$

C $\frac{23}{7} - \frac{1}{3}$

Explain why.

Possible answers:

C is the odd one out because the denominators aren't multiples of each other.

A is the odd one out because the denominators are even.

B is the odd one out because it is the only answer above 3

4.

Amir is attempting to solve $2 \frac{5}{14} - \frac{2}{7}$

Here is his working out:



$$2 \frac{5}{14} - \frac{2}{7} = 2 \frac{3}{7}$$

Do you agree with Amir? Explain your answer.

Possible answer:

Amir is wrong because he hasn't found a common denominator when subtracting the fractions he has just subtracted the numerators and the denominators. The correct answer is $2 \frac{1}{14}$

5.

Here is Rosie's method. What is the calculation?



Can you find more than one answer? Why is there more than one answer?

The calculation could be $1 \frac{5}{6} - \frac{7}{12}$ or $1 \frac{10}{12} - \frac{7}{12}$

There is more than one answer because five sixths and ten twelfths are equivalent. Children should be encouraged to write the question as $1 \frac{5}{6} - \frac{7}{12}$ so that all fractions are in their simplest form.

6.

Place 2, 3 and 4 in the boxes to make the calculation correct.

$$27 \frac{1}{\boxed{}} - \frac{\boxed{}}{6} = 26 \frac{\boxed{}}{3}$$

$$27 \frac{1}{3} - \frac{4}{6} = 26 \frac{2}{3}$$