

1a. Look at the sequence below.

Circle the mistake.

$$2\frac{2}{5} \quad 2\frac{3}{5} \quad 2\frac{4}{5} \quad 2 \quad 3\frac{1}{5} \quad 3\frac{2}{5}$$

Explain your reasoning.



R

1b. Look at the sequence below.

Circle the mistake.

$$3\frac{3}{4} \quad 3\frac{4}{4} \quad 4 \quad 4\frac{1}{4} \quad 4\frac{2}{4} \quad 4\frac{3}{4}$$

Explain your reasoning.



R

2a. Mr Smith shows Class 5 the sequence below.

$$1\frac{1}{3} \quad 1\frac{2}{3} \quad 2 \quad 2\frac{1}{3} \quad 2\frac{2}{3} \quad 3$$

Bella says,



The next number in the sequence is 4.

Is she correct? Convince me.



R

2b. Mrs Green shows Class 5 the sequence below.

$$3 \quad 3\frac{1}{6} \quad 3\frac{2}{6} \quad 3\frac{3}{6} \quad 3\frac{4}{6} \quad 3\frac{5}{6}$$

Jake says,



The next number in the sequence is 4.

Is he correct? Convince me.



R

3a. Sort the cards into an increasing sequence to find the card that doesn't fit.

$$\begin{array}{ccc} 5\frac{5}{6} & 6\frac{2}{6} & 5\frac{4}{6} \\ 6\frac{1}{6} & 5 & 6 \end{array}$$

What is the sequence increasing by?
What is the fraction card that doesn't fit?



PS

3b. Sort the cards into an increasing sequence to find the card that doesn't fit.

$$\begin{array}{ccc} 3\frac{7}{8} & 4\frac{1}{8} & 3\frac{5}{8} \\ 3\frac{6}{8} & 4 & 3\frac{8}{8} \end{array}$$

What is the sequence increasing by?
What is the fraction card that doesn't fit?



PS

Developing

1a. 2 is the mistake because the sequence is increasing by $\frac{1}{5}$.

2a. Bella is incorrect because the sequence is increasing by $\frac{1}{3}$. The next number is $3\frac{1}{3}$.

3a. The sequence is increasing by $\frac{1}{6}$.
The odd card out is 5.

Developing

1b. $3\frac{4}{4}$ is the mistake because it is the same as 4.

2b. Jake is correct because the sequence is increasing by $\frac{1}{6}$.

3b. The sequence is increasing by $\frac{1}{8}$.
The odd card out is $3\frac{8}{8}$.