

Orange

4a. Look at the sequence below.

Circle the mistake.

$$7 \quad 6\frac{4}{6} \quad 6\frac{1}{3} \quad 6 \quad 5\frac{3}{6} \quad 5\frac{2}{6}$$

Explain your reasoning.



R

4b. Look at the sequence below.

Circle the mistake.

$$3\frac{3}{8} \quad 3\frac{1}{2} \quad 3\frac{6}{8} \quad 4 \quad 4\frac{2}{8} \quad 4\frac{1}{2}$$

Explain your reasoning.



R

5a. Mr Hall shows Class 5 the sequence below.

$$7 \quad 7\frac{2}{6} \quad 7\frac{2}{3} \quad 8 \quad 8\frac{1}{3} \quad 8\frac{2}{3}$$

Lily says,



The next number in the sequence is 9.

Is she correct? Convince me.



R

5b. Mrs Shaw shows Class 5 the sequence below.

$$5\frac{2}{5} \quad 5 \quad 4\frac{3}{5} \quad 4\frac{2}{10} \quad 3\frac{4}{5} \quad 3\frac{2}{5}$$

Darren says,



The next number in the sequence is 2.

Is he correct? Convince me.



R

6a. Sort the cards into an increasing sequence to find the card that doesn't fit.

$$\begin{array}{ccc} 2\frac{10}{14} & 4\frac{3}{14} & 3\frac{3}{7} \\ 1\frac{4}{14} & \frac{4}{7} & 2 \end{array}$$

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



PS

6b. Sort the cards into a decreasing sequence to find the card that doesn't fit.

$$\begin{array}{ccc} 9\frac{1}{2} & 9\frac{8}{12} & 9\frac{1}{8} \\ 9\frac{4}{12} & 9\frac{1}{6} & 9\frac{5}{6} \end{array}$$

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



PS

Expected

4a. $5 \frac{3}{6}$ is the mistake because the other numbers are decreasing by $\frac{2}{6}$.

5a. Lily is correct because the sequence is increasing by $\frac{1}{3}$.

6a. The sequence is increasing by $\frac{5}{7}$.
The odd card out is $4 \frac{3}{14}$.

Expected

4b. $3 \frac{3}{8}$ is the mistake because the other numbers are increasing by $\frac{2}{8}$.

5b. Darren is incorrect because the sequence is decreasing by $\frac{2}{5}$. The next number is 3.

6b. The sequence is decreasing by $\frac{1}{6}$.
The odd card out is $9 \frac{1}{8}$.