Red

7a. Look at the sequence below.

Circle the mistake.

$5\frac{5}{6}$ | $\frac{73}{12}$ | $6\frac{1}{3}$ | $6\frac{7}{12}$ | $\frac{82}{12}$ | $7\frac{2}{12}$

Explain your reasoning.

GD R

7b. Look at the sequence below.

Circle the mistake.

$\frac{71}{8}$ | $8\frac{1}{2}$ | $8\frac{1}{8}$ | $7\frac{3}{4}$ | $\frac{65}{8}$ | 7

Explain your reasoning.

GD R

8a. Mr Gregory shows Class 5 the sequence below.

$9\frac{4}{10}$ | 9 | $8\frac{6}{10}$ | $8\frac{1}{5}$ | $7\frac{4}{5}$ | $\frac{74}{10}$

Anya says,

The next number in the sequence is $6\frac{8}{10}$.

Is she correct? Convince me.

GD R

8b. Mrs Williams shows Class 5 the sequence below.

4 | $4\frac{1}{3}$ | $4\frac{2}{3}$ | 5 | $\frac{32}{6}$ | $5\frac{2}{3}$

Marco says,

The next number in the sequence is 6.

Is he correct? Convince me.

GD R

9a. Sort the cards into an increasing sequence to find the card that doesn't fit.

$10\frac{1}{2}$ | $\frac{92}{8}$ | $10\frac{14}{16}$

$11\frac{1}{4}$ | $\frac{78}{8}$ | $\frac{81}{8}$

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

GD PS

9b. Sort the cards into a decreasing sequence to find the card that doesn't fit.

$\frac{60}{18}$ | $5\frac{6}{18}$ | $\frac{32}{9}$

$\frac{44}{9}$ | $\frac{40}{9}$ | 4

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

GD PS

Greater Depth

7a. $7\frac{2}{12}$ is the mistake because the sequence is increasing by $\frac{3}{12}$.

8a. Anya is incorrect because the sequence is decreasing by $\frac{4}{10}$. The next number is 7.

9a. The sequence is increasing by $\frac{3}{8}$. The odd card out is $\frac{92}{8}$.

Greater Depth

7b. $\frac{65}{8}$ is the mistake because the sequence is decreasing by $\frac{3}{8}$.

8b. Marco is correct because the sequence is increasing by $\frac{2}{6}$.

9b. The sequence is decreasing by $\frac{4}{9}$. The odd card out is $\frac{60}{18}$.