Number Sequences

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

Number Sequences

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