

# Number Sequences

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4a. Look at the sequence below.

Circle the mistake.

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

Explain your reasoning.



R

4b. Look at the sequence below.

Circle the mistake.

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

Explain your reasoning.



R

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

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

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.

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

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.

$2\frac{10}{14}$ 
 $4\frac{3}{14}$ 
 $3\frac{3}{7}$

$1\frac{4}{14}$ 
 $\frac{4}{7}$ 
2

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.

$9\frac{1}{2}$ 
 $9\frac{8}{12}$ 
 $9\frac{1}{8}$

$9\frac{4}{12}$ 
 $9\frac{1}{6}$ 
 $9\frac{5}{6}$

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



PS