Practise

1. What is the missing number in the sequence below?

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

1b. What is the missing number in the sequence below?

$$2\frac{3}{9} \quad 2\frac{4}{9} \quad 2\frac{5}{9} \quad ? \quad 2\frac{7}{9} \quad 2\frac{8}{9}$$

2. Tick the box to show where the mixed number $4\frac{3}{7}$ should go in the sequence.

A	B	C

$$4\frac{2}{7}, \square \quad 4\frac{4}{7} \square \quad 4\frac{5}{7}, \square \quad 4\frac{6}{7}$$

2b. Tick the box to show where the mixed number $3\frac{3}{6}$ should go in the sequence.

A	B	C

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

Reasoning

3. a. 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.

3. b. 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.

4. a. 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.

4. b. 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.