Miss Hughes' group – Silver reasoning and problem solving

4a. Obed and Katy have made equivalent fraction lines for the fifths of this bar.

Obed: 0, $\frac{2}{9}$, $\frac{4}{9}$, $\frac{6}{9}$, $\frac{8}{9}$, 1

Katy: 0, $\frac{2}{10}$, $\frac{4}{10}$, $\frac{6}{10}$, $\frac{8}{10}$, 1

Who has made a mistake?
Explain your answer.

E R

4b. Zara and Bam have made equivalent fraction lines for the sixths of this bar.

Zara: 0, $\frac{2}{12}$, $\frac{4}{12}$, $\frac{6}{12}$, $\frac{8}{12}$, $\frac{10}{12}$, 1

Bam: 0, $\frac{2}{11}$, $\frac{4}{11}$, $\frac{6}{11}$, $\frac{8}{11}$, $\frac{10}{11}$, 1

Who has made a mistake?
Explain your answer.

E R

5a.

Eilidh

I have to find equivalent fractions for the fractions on my number line, but each one has to have a different denominator.

0, $\frac{2}{4}$, $\frac{3}{4}$, 1

Solve Eilidh's problem by finding equivalent fractions.

E PS

5b.

Stanley

I have to find equivalent fractions for the fractions on my number line, but each one has to have a different denominator.

0, $\frac{2}{6}$, $\frac{3}{6}$, 1

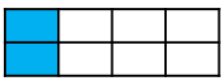
Solve Stanley's problem by finding equivalent fractions.

E PS

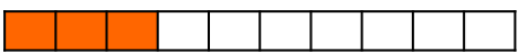
6a. Which object does not show an equivalent fraction to the fraction on the number line? Explain your choice.

0, $\frac{1}{4}$, 1

Object A



Object B



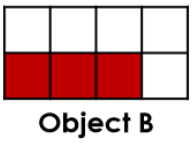
Object C

E R

6b. Which object does not show an equivalent fraction to the fraction on the number line? Explain your choice.

0, $\frac{6}{12}$, 1

Object A



Object B

Object C

E R