

1 Use the number lines to complete the equivalent fractions.

a)

Number line 1: 0,  $\frac{1}{5}$ ,  $\frac{2}{5}$ ,  $\frac{3}{5}$ ,  $\frac{4}{5}$ , 1

Number line 2: 0,  $\frac{1}{10}$ ,  $\frac{2}{10}$ ,  $\frac{3}{10}$ ,  $\frac{4}{10}$ ,  $\frac{5}{10}$ ,  $\frac{6}{10}$ ,  $\frac{7}{10}$ ,  $\frac{8}{10}$ ,  $\frac{9}{10}$ , 1

$\frac{1}{5} = \frac{\square}{10}$      $\frac{\square}{5} = \frac{4}{10}$      $\frac{3}{5} = \frac{\square}{10}$      $\frac{4}{\square} = \frac{8}{\square}$

b)

Number line 1: 1,  $1\frac{1}{9}$ ,  $1\frac{2}{9}$ ,  $1\frac{3}{9}$ ,  $1\frac{4}{9}$ ,  $1\frac{5}{9}$ ,  $1\frac{6}{9}$ ,  $1\frac{7}{9}$ ,  $1\frac{8}{9}$ , 2

Number line 2: 1,  $1\frac{1}{3}$ ,  $1\frac{2}{3}$ , 2

$1\frac{3}{9} = 1\frac{\square}{3}$      $1\frac{6}{9} = 1\frac{\square}{3}$

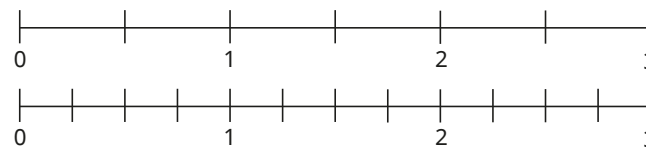
c)

Number line 1: 0,  $\frac{1}{3}$ ,  $\frac{2}{3}$ , 1,  $1\frac{1}{3}$ ,  $1\frac{2}{3}$ , 2

Number line 2: 0,  $\frac{1}{6}$ ,  $\frac{2}{6}$ ,  $\frac{3}{6}$ ,  $\frac{4}{6}$ ,  $\frac{5}{6}$ , 1,  $1\frac{1}{6}$ ,  $1\frac{2}{6}$ ,  $1\frac{3}{6}$ ,  $1\frac{4}{6}$ ,  $1\frac{5}{6}$ , 2

$\frac{2}{3} = \frac{\square}{6}$      $1\frac{2}{6} = \frac{\square}{\square} \frac{\square}{3}$      $\frac{\square}{\square} \frac{\square}{6} = 1\frac{2}{3}$

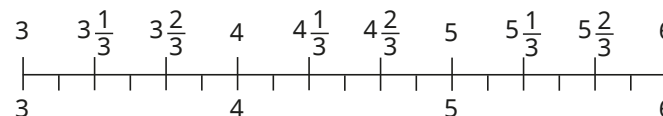
2 a) Label the number lines.



b) Complete the equivalent fractions.

$1\frac{1}{2} = \frac{\square}{\square} \frac{\square}{4}$      $2\frac{2}{4} = \frac{\square}{\square} \frac{\square}{2}$      $\frac{\square}{\square} \frac{\square}{2} = 1\frac{2}{4}$

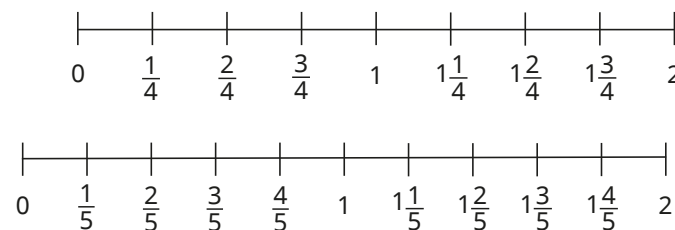
3 a) Use the double number line to complete the equivalent fraction



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

b) Write two other pairs of equivalent fractions.

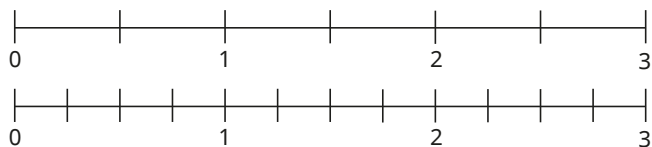
4 Tiny is drawing number lines to find equivalent fractions.



$1\frac{3}{4}$  is equivalent to  $1\frac{4}{5}$

What mistake has Tiny made?

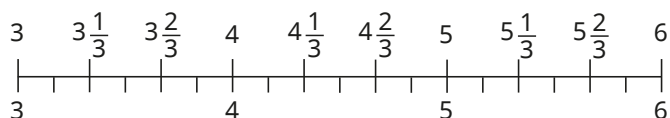
**2 a)** Label the number lines.



**b)** Complete the equivalent fractions.

$$1\frac{1}{2} = \square \frac{\square}{4} \quad 2\frac{2}{4} = \square \frac{\square}{2} \quad \square \frac{\square}{2} = 1\frac{2}{4}$$

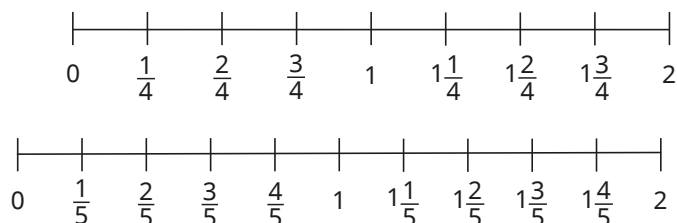
**3 a)** Use the double number line to complete the equivalent fraction



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

**b)** Write two other pairs of equivalent fractions.

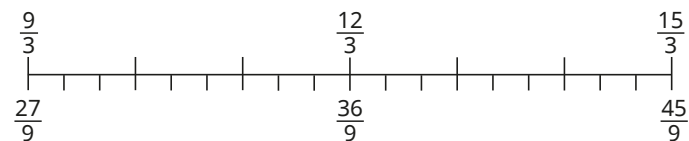
**4** Tiny is drawing number lines to find equivalent fractions.



$1\frac{3}{4}$  is equivalent to  $1\frac{4}{5}$

What mistake has Tiny made?

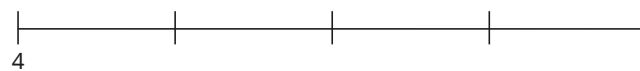
**5 a)** Use the double number line to complete the equivalent improper fractions.



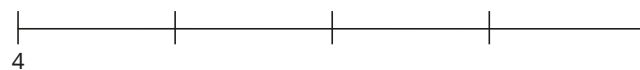
$$\frac{11}{3} = \frac{\square}{9} \quad \frac{\square}{3} = \frac{39}{9} \quad \frac{\square}{9} = \frac{14}{3}$$

**b)** Write each pair of equivalent fractions as mixed numbers.

**6 a)** Split each section of the number line into two equal parts.



**b)** Split each section of the number line into three equal parts.



**c)** Use the number lines from parts a) and b) to fill in the missing numbers.

$$4\frac{3}{4} = \square = \square$$

