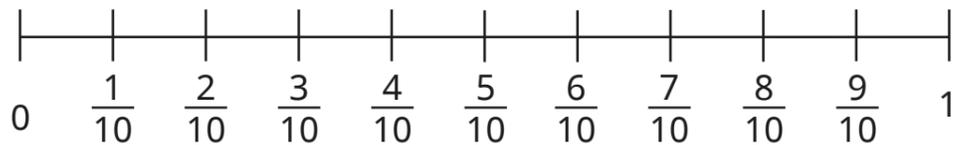
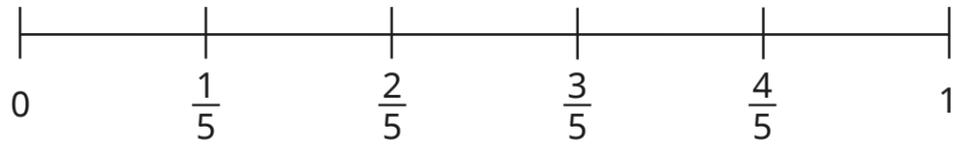


Equivalent fractions on a number line

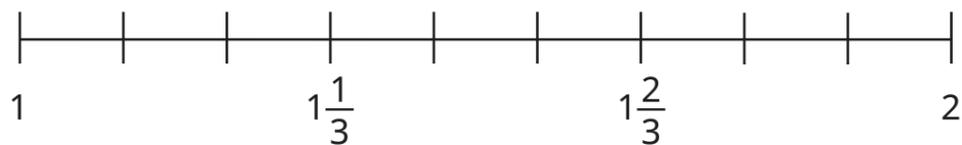
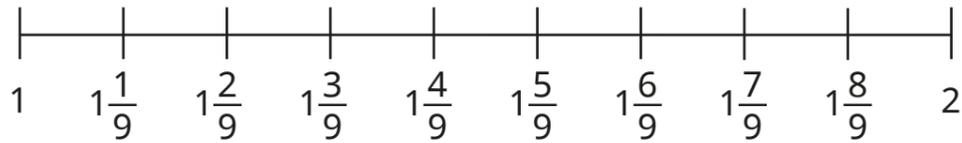
1 Use the number lines to complete the equivalent fractions.

a)

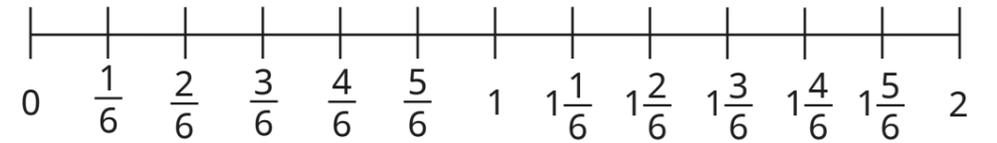


$$\frac{1}{5} = \frac{\square}{10} \quad \frac{\square}{5} = \frac{4}{10} \quad \frac{3}{5} = \frac{\square}{10} \quad \frac{4}{\square} = \frac{8}{\square}$$

b)

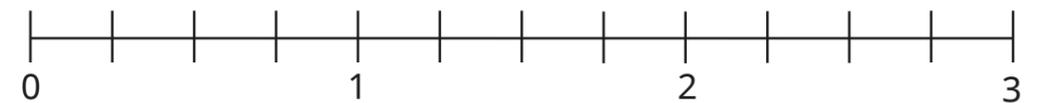
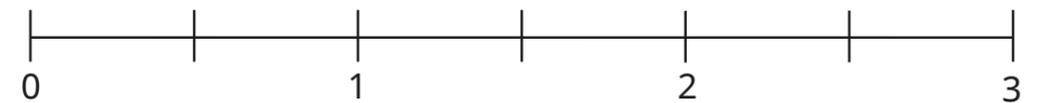


$$1\frac{3}{9} = 1\frac{\square}{3} \quad 1\frac{6}{9} = 1\frac{\square}{3}$$



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

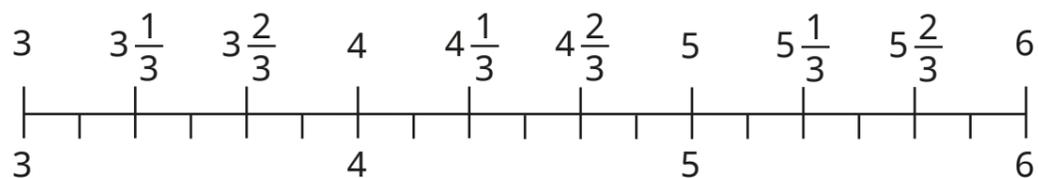
2 a) Label the number lines.



b) Complete the equivalent fractions.

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

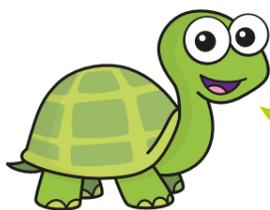
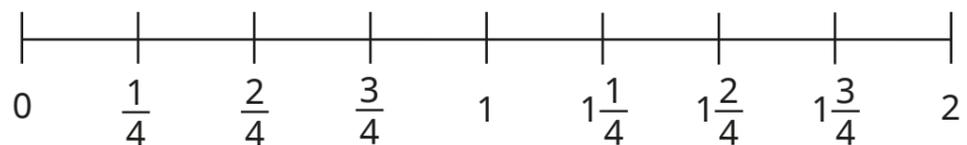
- 3 a) Use the double number line to complete the equivalent fractions



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

- b) Write two other pairs of equivalent fractions.

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

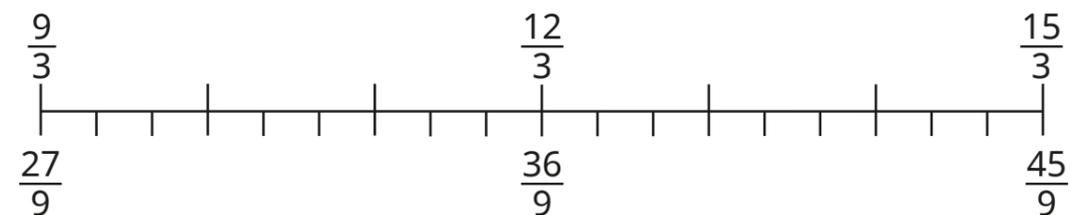


$1\frac{3}{4}$ is equivalent to $1\frac{4}{5}$

What mistake has Tiny made?



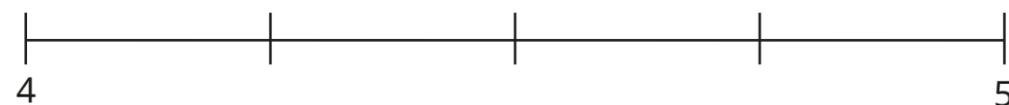
- 5 a) Use the double number line to complete the equivalent improper fractions.



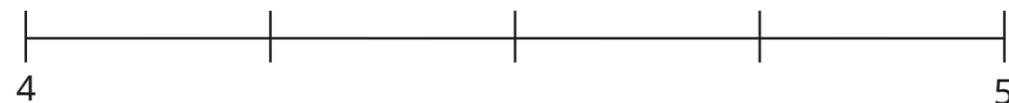
$$\frac{11}{3} = \frac{\square}{9} \quad \frac{\square}{3} = \frac{39}{9} \quad \frac{\square}{9} = \frac{14}{3}$$

- 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.

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

