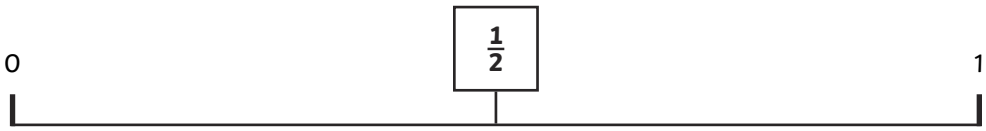
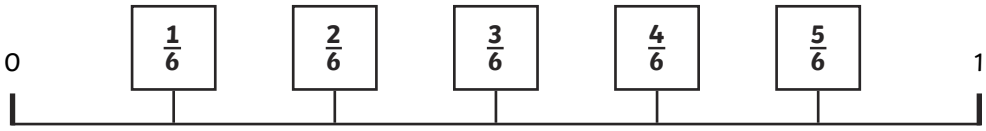
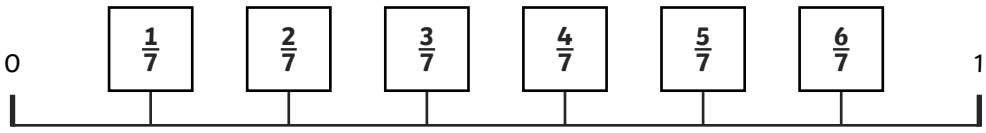
1) a)


0
$\frac{1}{2}$
1

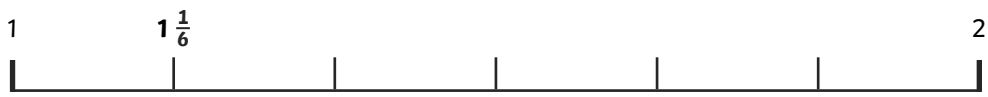
b)


0
$\frac{1}{6}$
$\frac{2}{6}$
$\frac{3}{6}$
$\frac{4}{6}$
$\frac{5}{6}$
1

c)


0
$\frac{1}{7}$
$\frac{2}{7}$
$\frac{3}{7}$
$\frac{4}{7}$
$\frac{5}{7}$
$\frac{6}{7}$
1

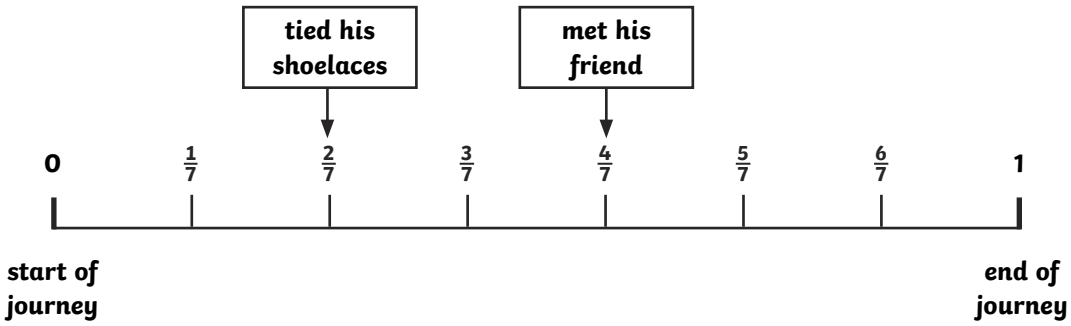
2)


1
$1\frac{1}{6}$
2

3)


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

4)


tied his shoelaces
met his friend
0
$\frac{1}{7}$
$\frac{2}{7}$
$\frac{3}{7}$
$\frac{4}{7}$
$\frac{5}{7}$
$\frac{6}{7}$
1
start of journey
end of journey

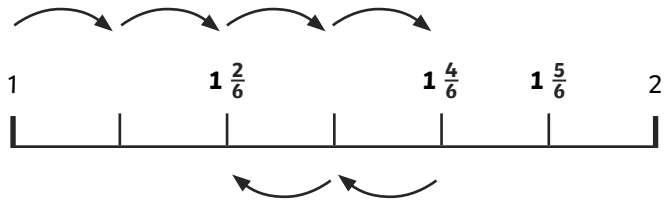
1) I do not agree with Mason because he would not land on $1\frac{4}{6}$. Instead, he would land on $1\frac{5}{6}$.

When he moves forwards four spaces, he would land on $1\frac{4}{6}$.

When he moves backwards two spaces, he would land on $1\frac{2}{6}$.

When he moves forwards three spaces, he would land on $1\frac{5}{6}$.

1) moves forwards four spaces

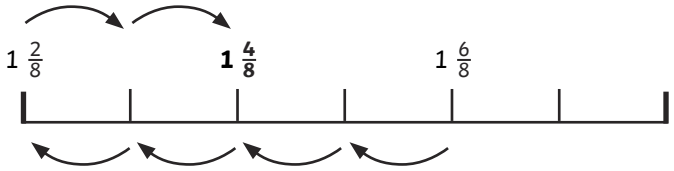


2) moves backwards two spaces

3) forwards three more spaces

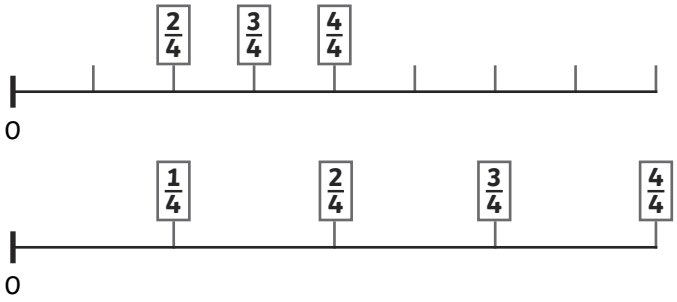
2) Ahmed has made a calculation error when adding and subtracting fractions.

This number line shows what Ahmed should have done:



The answer should be $1\frac{4}{8}$.

3) Sunny is correct. Although zero starts at the same point, the number 1 will be written on the number line when the whole has been reached. $\frac{4}{4}$ represents 1 whole in this instance.

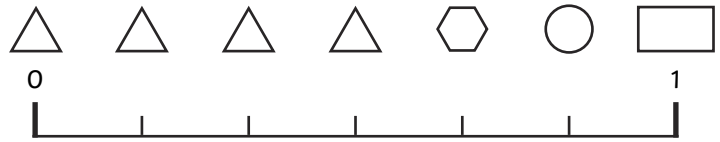


1) a) The triangle could be placed at $\frac{0}{6}$, $\frac{1}{6}$, $\frac{2}{6}$ or $\frac{3}{6}$.

The hexagon is $\frac{4}{6}$.

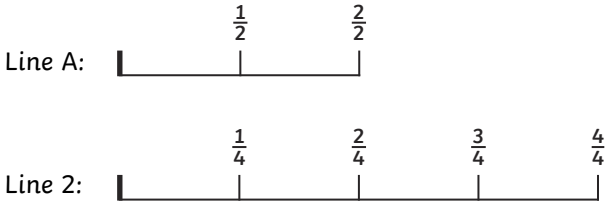
The circle is $\frac{5}{6}$.

The rectangle is $\frac{6}{6}$ (or 1 whole)



b) Any clue that places another shape at $\frac{0}{6}$, $\frac{1}{6}$, $\frac{2}{6}$ or $\frac{3}{6}$ (depending on where the triangle has been placed).

2)



Line A needs one extra part to make the whole, whereas Line B would needs an extra three parts, $\frac{2}{4}$, $\frac{3}{4}$ and $\frac{4}{4}$. Therefore, Line B is the longer than Line A.

3) The hexagon represents $\frac{4}{8}$.

The triangle represents $\frac{7}{8}$.

The rectangle represents $\frac{8}{8}$ (or 1).

The circle represents $1\frac{1}{8}$.