1) The number line has been divided into equal parts. Label each part correctly.

   **a)**

   0 [ ] 1

   b)

   0 [ ] [ ] [ ] [ ] [ ] 1

   c)

   0 [ ] [ ] [ ] [ ] [ ] [ ] 1
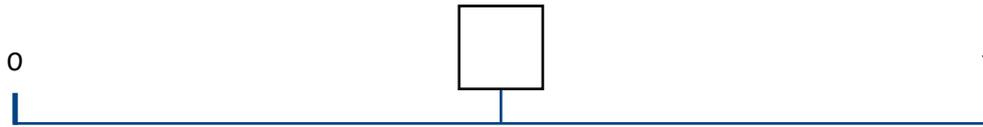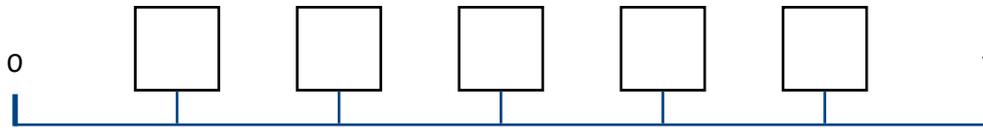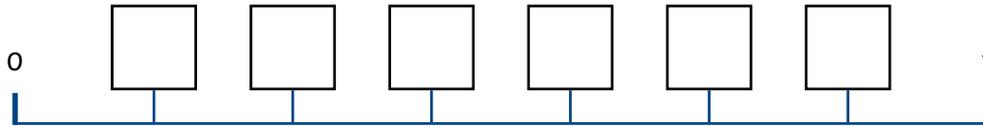
2) Write $1\frac{1}{6}$ on the number line.

   1 2

**3)** Write $3\frac{2}{6}$ on the number line.

   3 4

4) Sergio walked to school.

   He stopped to tie his laces $\frac{2}{7}$ of the way there.

   Then, he stopped to meet his friend $\frac{4}{7}$ of the way there.

   Show Sergio's journey.
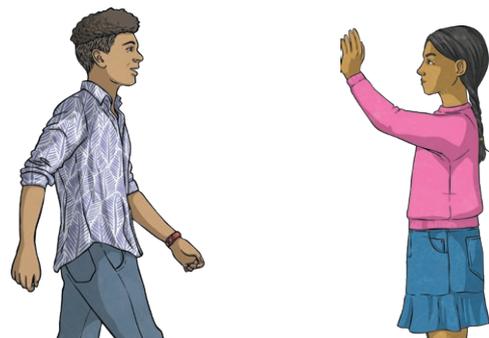
1)

On my number line, I start at 1.

I move forwards 4 spaces, backwards 2 spaces and forwards 3 more spaces. I land on $1\frac{4}{6}$.

Do you agree with Mason?

Explain your reasoning.

_____

_____

_____

_____

1   2

2)
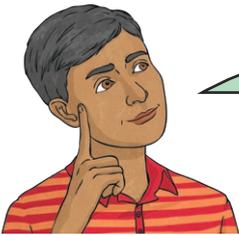
I start on $1\frac{6}{8}$. Then, I count back $\frac{4}{8}$. After, I count on $\frac{2}{8}$. I will end on 2.

Ahmed has made an error.

Use a number line and reasoning to explain what the answer should be.

_____

_____

_____

_____

_____

3)

The number 1 always goes at the end of a number line.

The number 1 will be written on different positions on each number line.

$\frac{2}{4}$

0
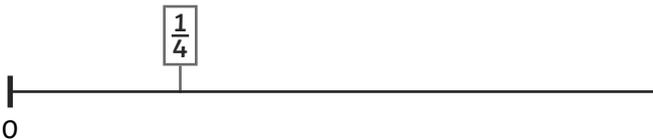
Do you agree with Elizabeth or Sunny?

Show and explain your reasoning.

_____

_____

_____

_____

$\frac{1}{4}$

0

1) Some shapes have been removed from a number line.

△ I am the smallest of all fractions.

⬡ I sit more than halfway along on the number line.

⬤ I am worth more than the hexagon but less than the rectangle.

▭ I am the largest of all fractions.

0 ————————————————— 1

a) Where could each shape be placed? Find all possibilities.

△ _____   ⬤ _____

⬡ _____   ▭ _____

b) Write a clue for a different shape that could be placed on an empty part of the number line.

_____

_____

2) Only a part of each line is seen. The rest is hidden. Each line stops at a whole. Which line is longer?

Explain your reasoning. Show your working on the number line.

Line A: $\frac{1}{2}$

Line 2: $\frac{1}{4}$

Line A: $\frac{1}{2}$

Line 2: $\frac{1}{4}$

_____

_____
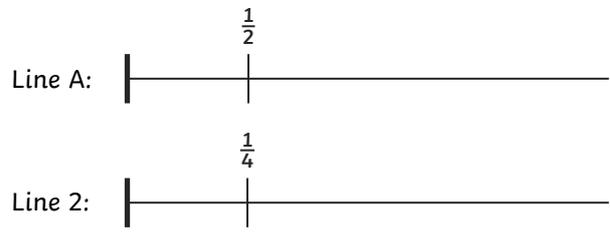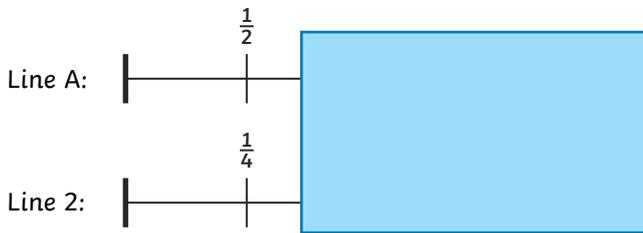
3) Some shapes sit on part of a number line.
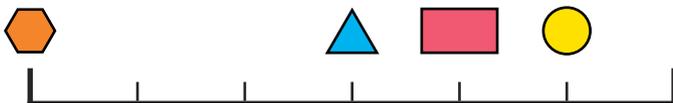
The heart represents $\frac{1}{2}$ and sits one eighth before the hexagon.

Use this information to solve the values of the other shapes.

⬡ _____   ⬤ _____

△ _____   ▭ _____