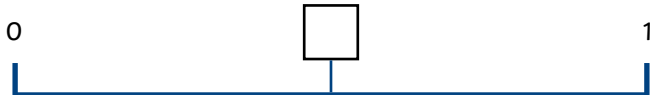


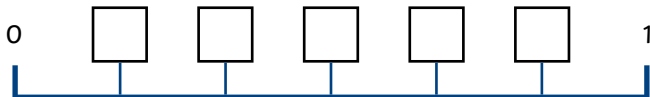
- 1) The number line has been divided into equal parts. Fill in the blanks with the correct fraction.



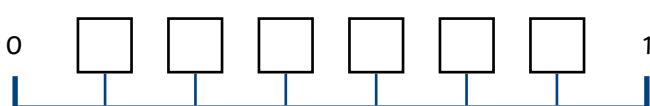
a)



b)



c)



- 2) Write $1\frac{1}{6}$ on the number line.



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



- 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.



start of
journey

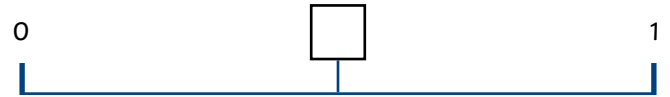
end of
journey



- 1) The number line has been divided into equal parts. Fill in the blanks with the correct fraction.



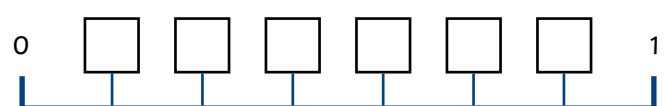
a)



b)



c)



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Show Sergio's journey.



start of
journey

end of
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 $1\frac{4}{6}$.



Mason



Do you agree with Mason? Explain your reasoning.

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.



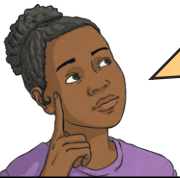
Ahmed



Ahmed has made an error.

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

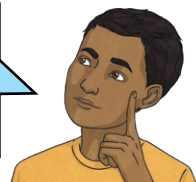
3)



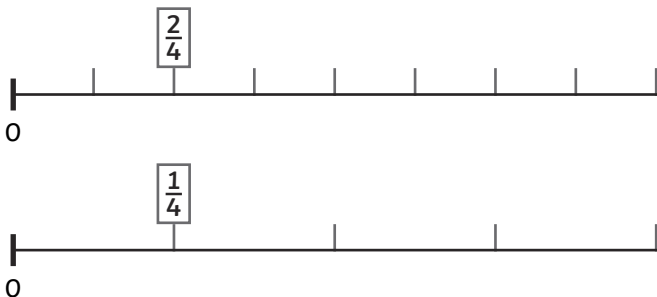
The number 1 always goes at the end of a number line.

Elizabeth

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



Sunny



Do you agree with Elizabeth or Sunny?

Show and explain your reasoning.

1)



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



Mason



Do you agree with Mason? Explain your reasoning.

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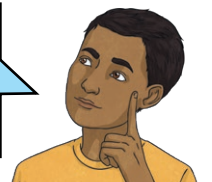
3)



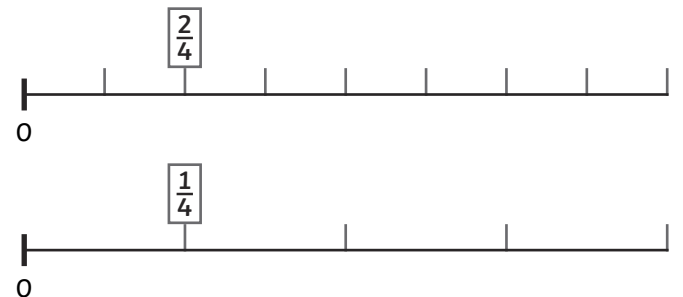
The number 1 always goes at the end of a number line.

Elizabeth

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



Sunny



Do you agree with Elizabeth or Sunny?

Show and explain your reasoning.

- 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.



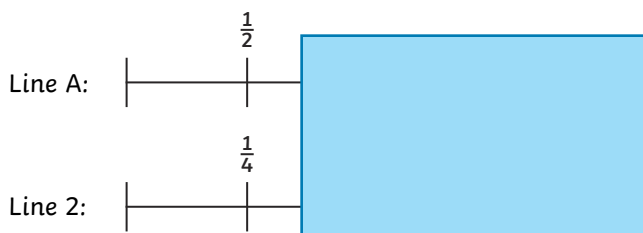
I am worth more than the hexagon but less than the rectangle.



I am the largest of all fractions.

- 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 part of each number line can be seen - the rest is hidden. Each line stops at a whole. Which line is longer?

Explain your reasoning and show your working out on number lines.



- 3) Some shapes sit on part of a number line.



The heart represents $\frac{3}{8}$ and sits $\frac{1}{8}$ before the hexagon.

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

- 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.



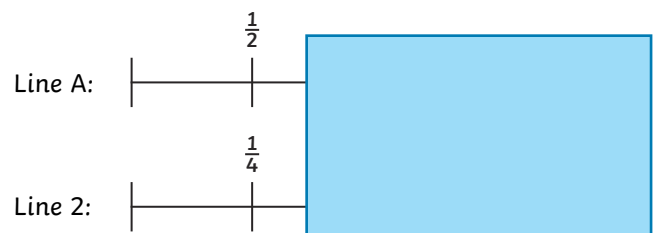
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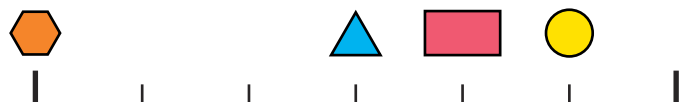
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