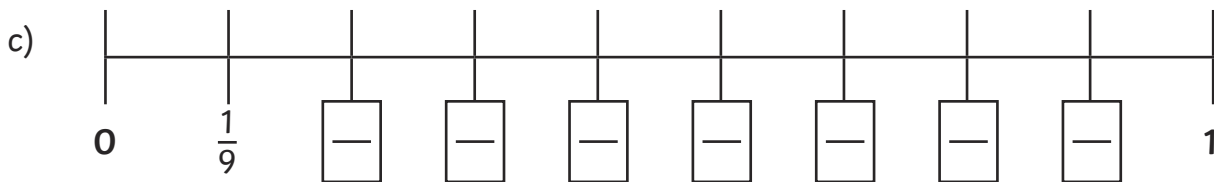
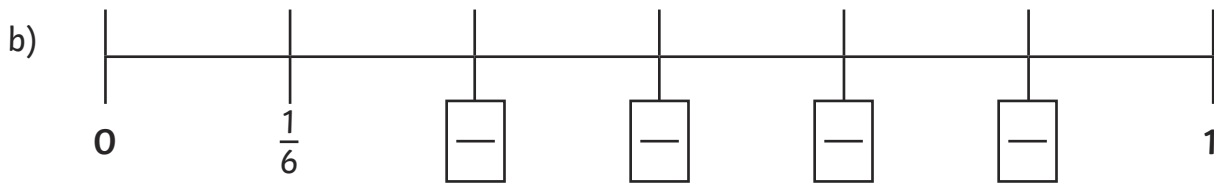
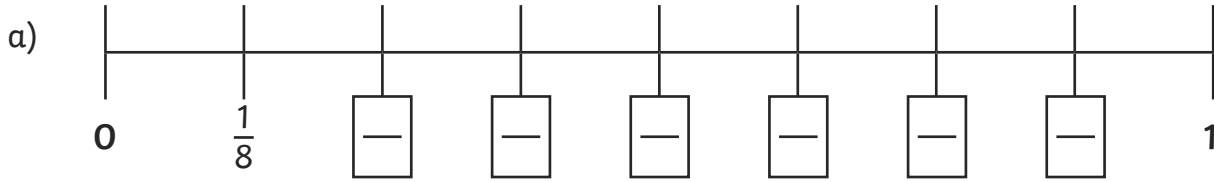


# Fractions on Number Lines

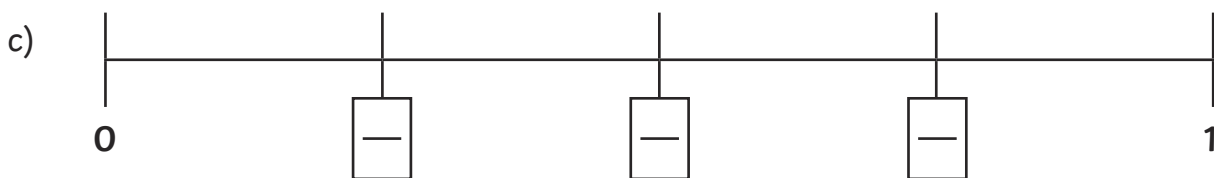
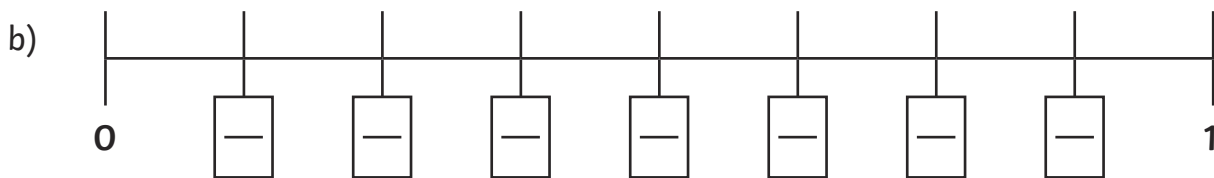
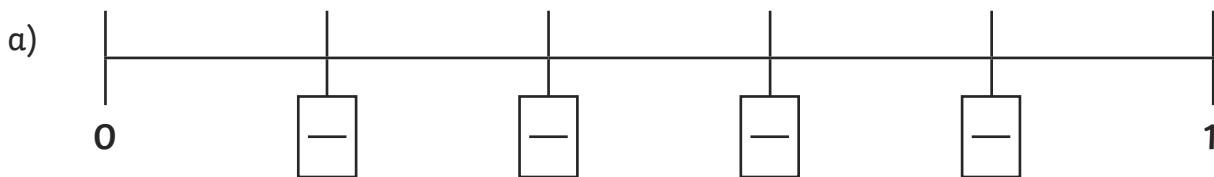
To reason about the position of fractions on number lines up to one whole.



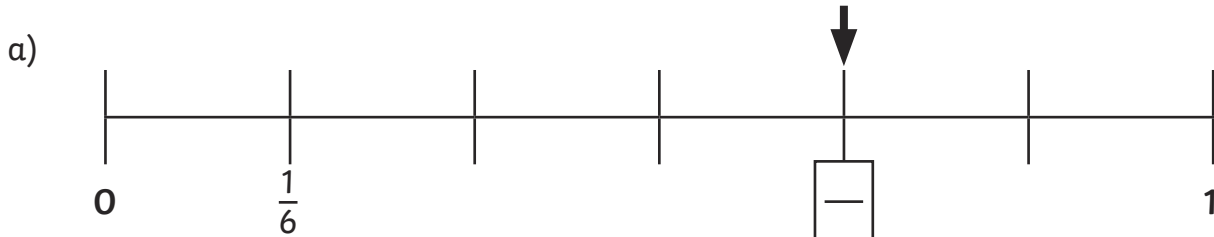
1. Label the number lines. The first fraction has been given.



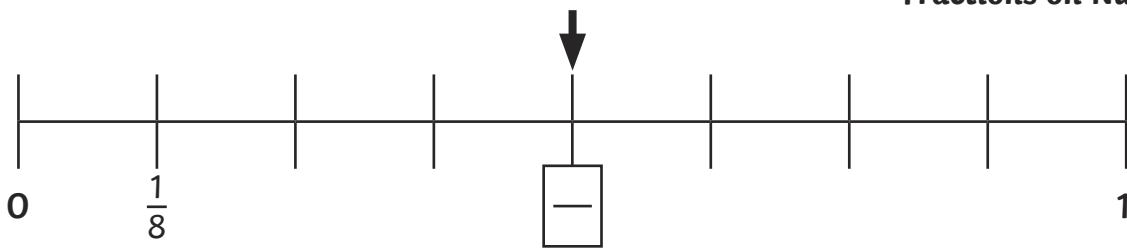
2. Label the number lines. Count how many equal parts the whole has been divided into.



3. What fraction are the arrows pointing at? The first fraction has been given.

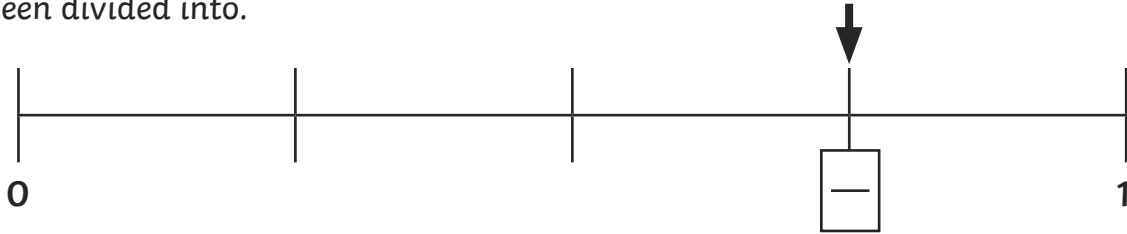


b)

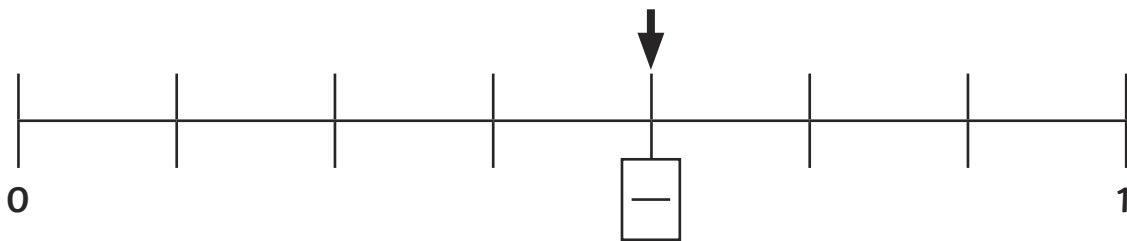


4. What fraction are the arrows pointing at? Count how many equal parts the whole has been divided into.

a)



b)



5. Draw an arrow to show approximately where  $\frac{2}{3}$  is on the number line. Divide the whole into 3 equal parts.

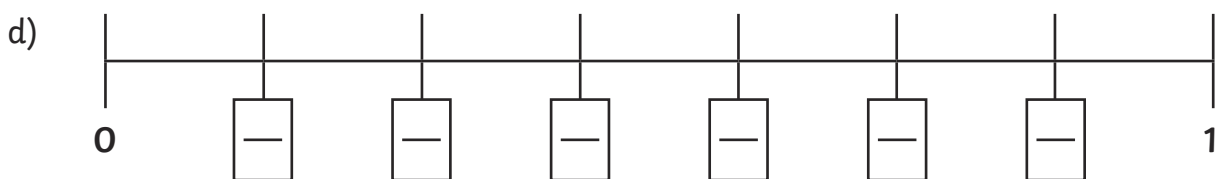
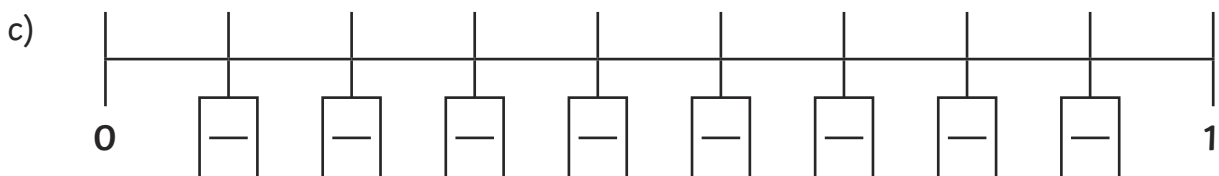
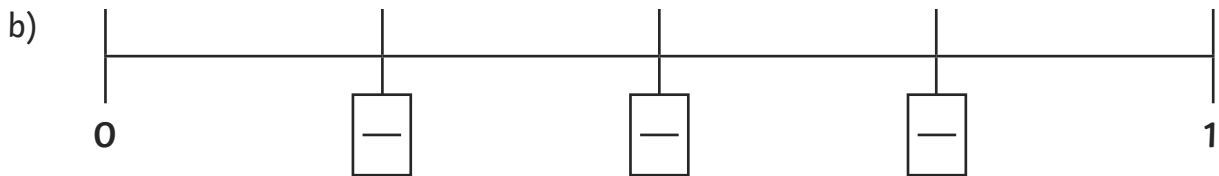
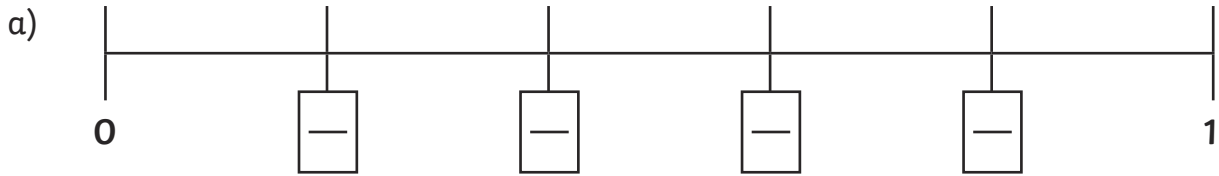


# Fractions on Number Lines

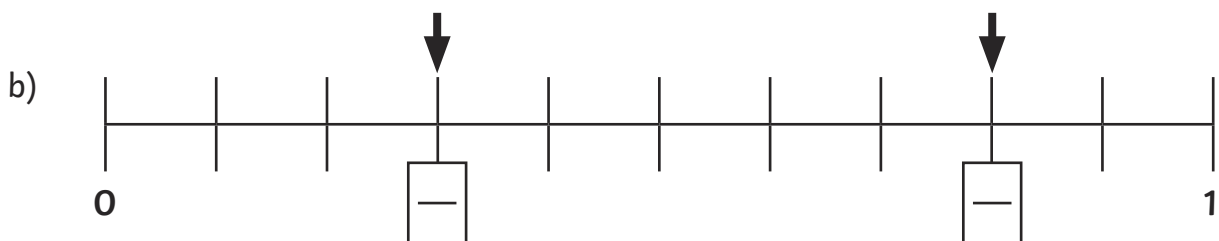
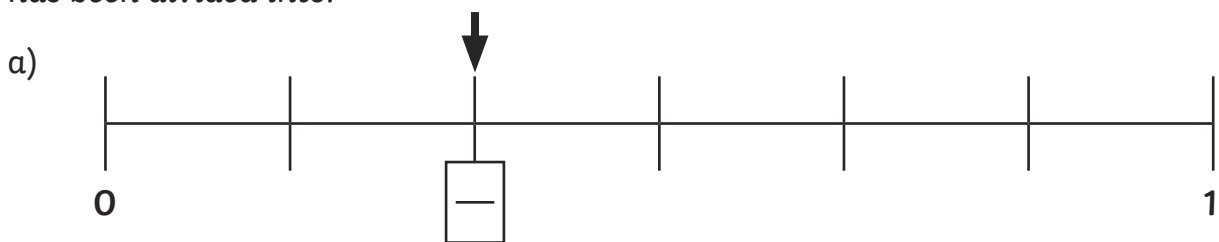
To reason about the position of fractions on number lines up to one whole.



1. Label the number lines. Count how many equal parts the whole has been divided into.

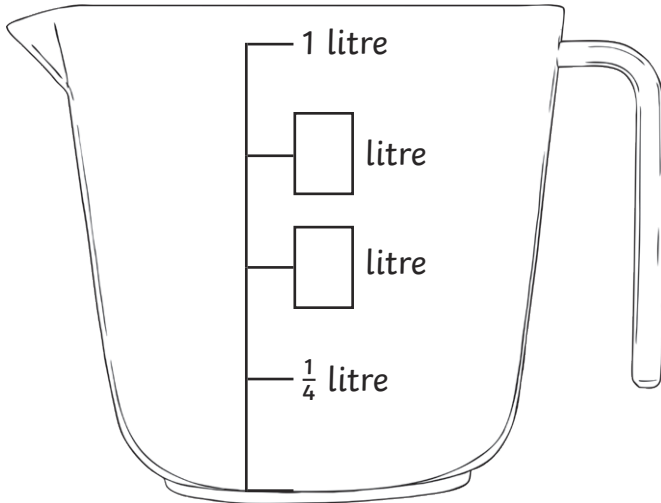


2. What fraction are the arrows pointing at? Count how many equal parts the whole has been divided into.

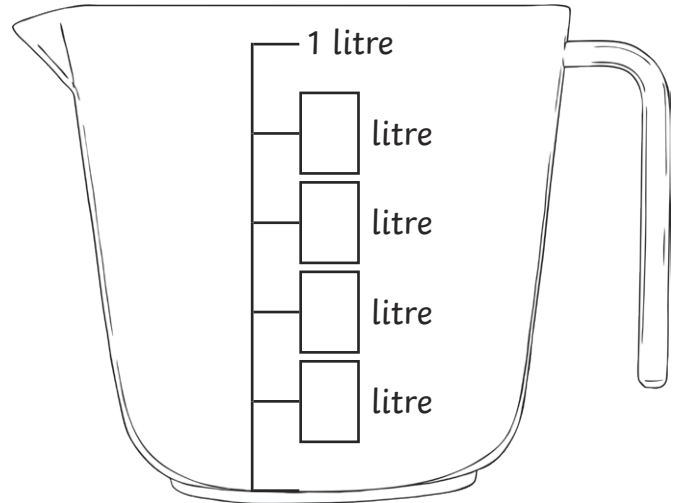


3. Add the missing labels.

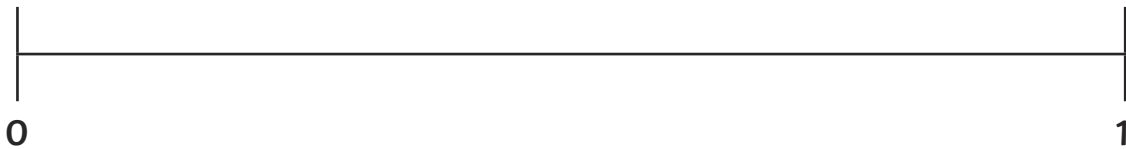
a)



b)

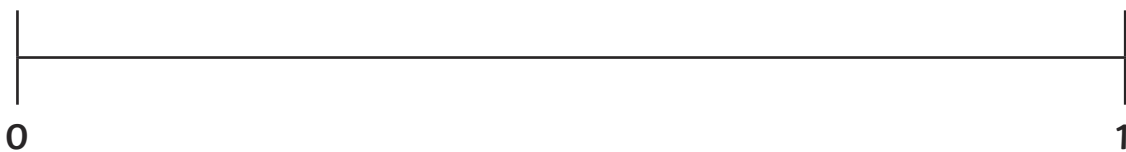


4. Draw an arrow to show approximately where  $\frac{7}{8}$  is on the number line. Divide the whole into 8 equal parts.



5.

a) Draw arrows to show approximately where  $\frac{1}{3}$  and  $\frac{1}{5}$  are on the number line.



b) Which fraction is greater,  $\frac{1}{3}$  or  $\frac{1}{5}$ ? Explain how you know.

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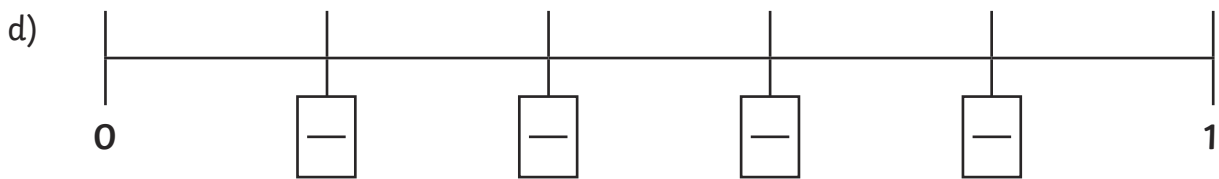
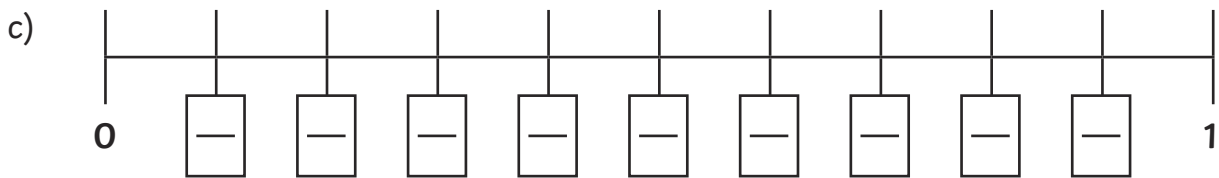
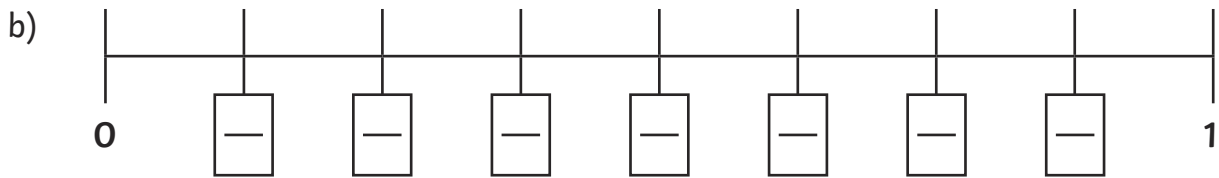
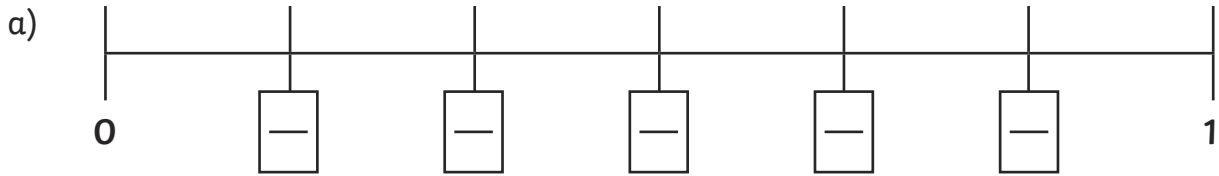
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# Fractions on Number Lines

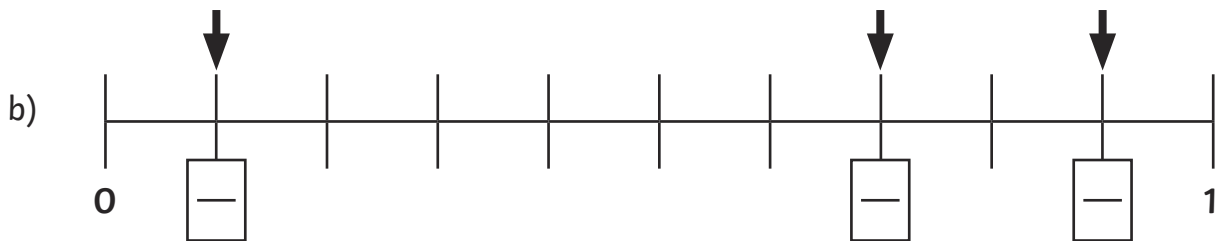
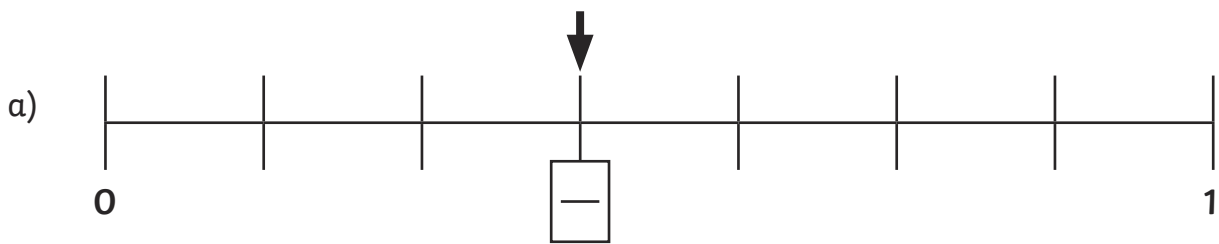
To reason about the position of fractions on number lines up to one whole.



1. Label the number lines.

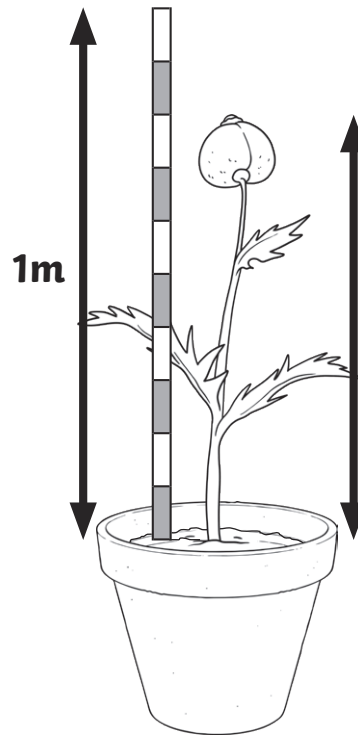


2. What fractions are the arrows pointing at?

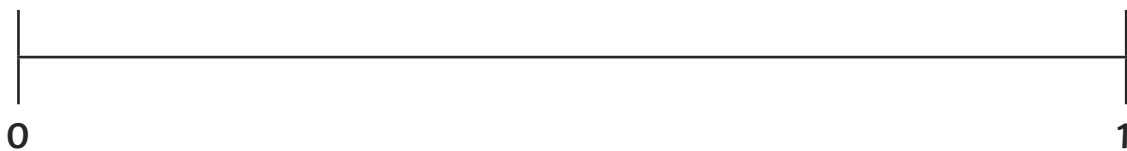


3. How tall is the plant?  
Write your answer as a fraction of a metre.

The plant is  m tall.



4. Which is greater,  $\frac{2}{4}$  or  $\frac{2}{3}$ ? Use the number line to help you. Explain your answer.




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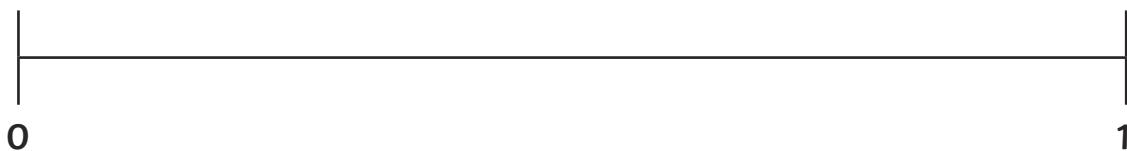


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5. True or false?  $\frac{2}{5} < \frac{2}{8}$  Use the number line to help you. Explain your answer.




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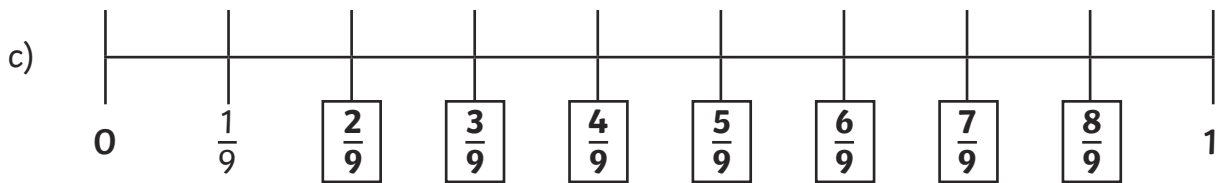
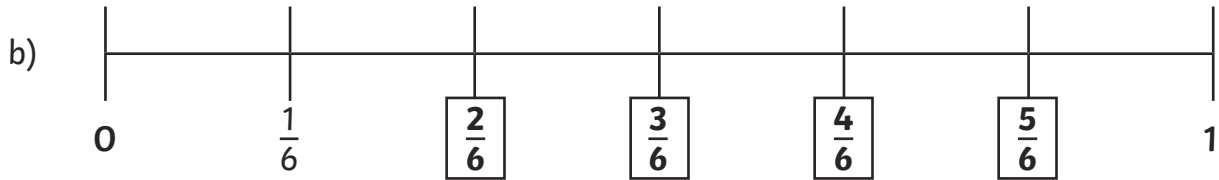
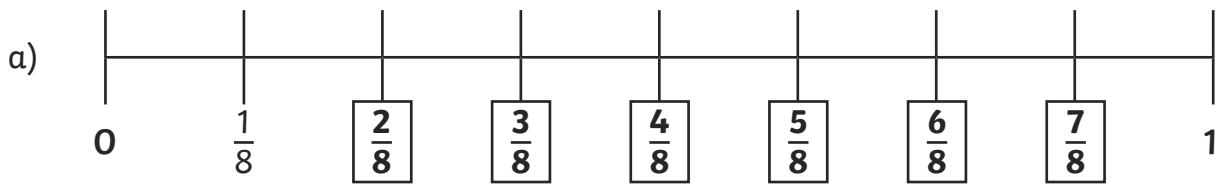
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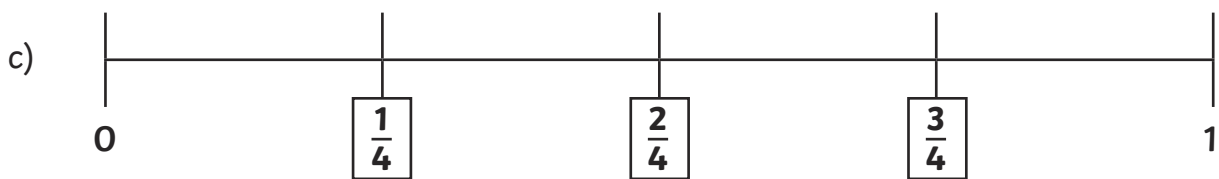
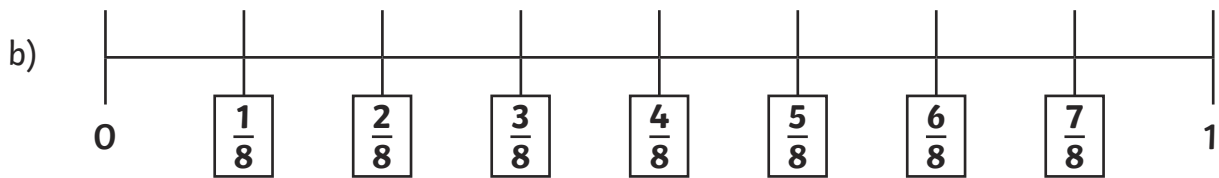
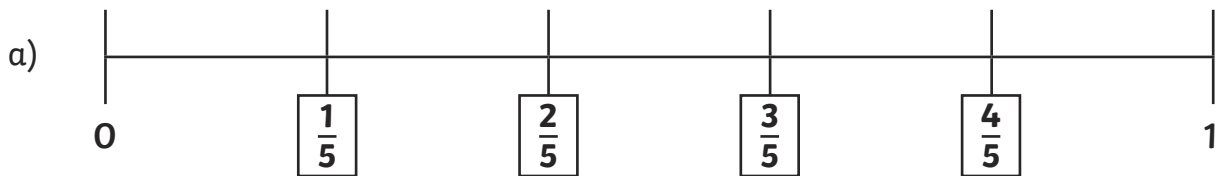
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# Fractions on Number Lines Answers

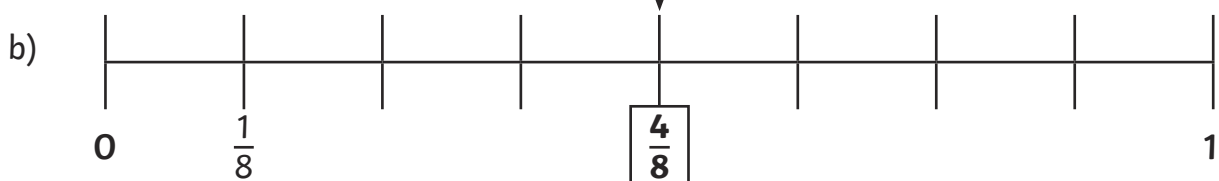
1.



2.

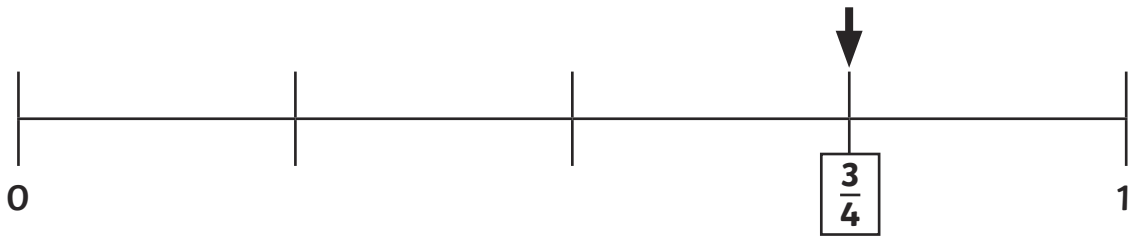


3.

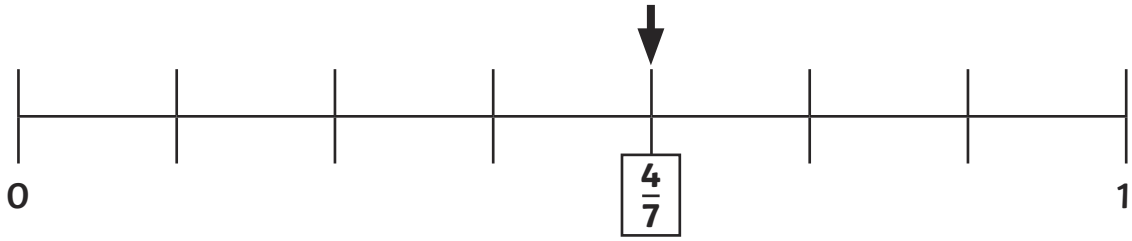


4.

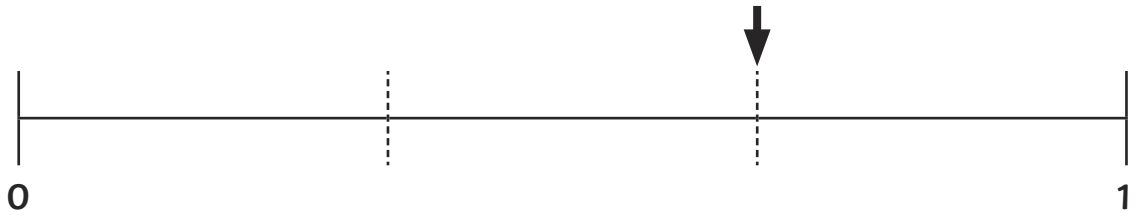
a)



b)



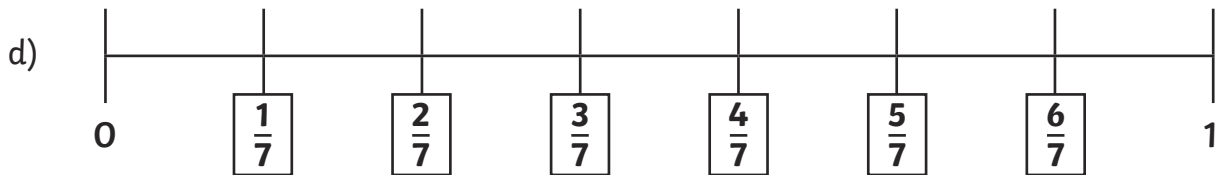
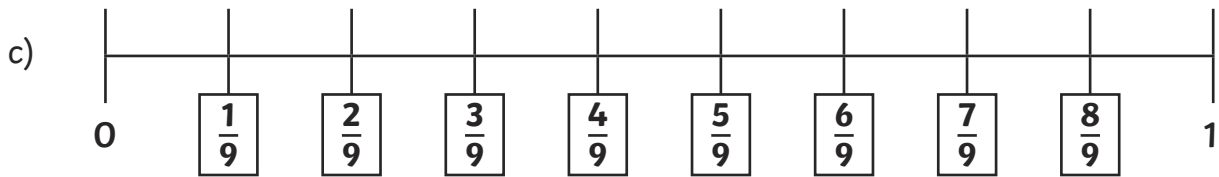
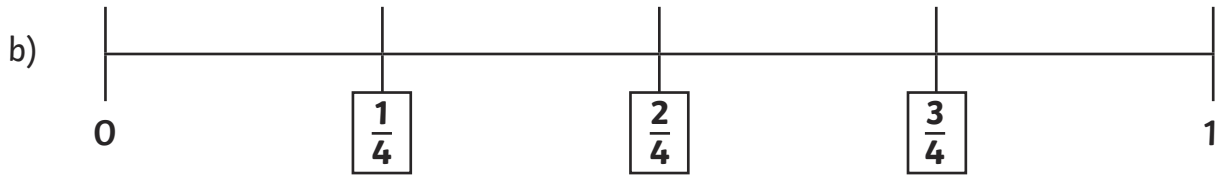
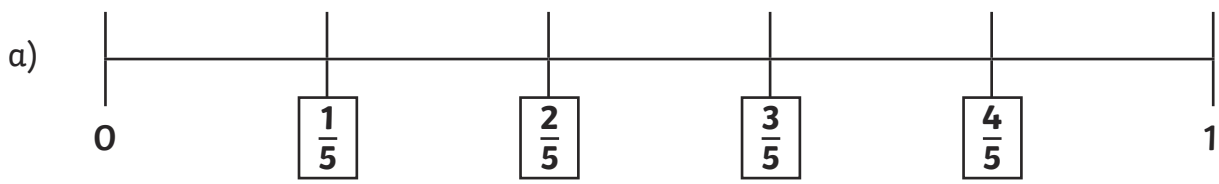
5.



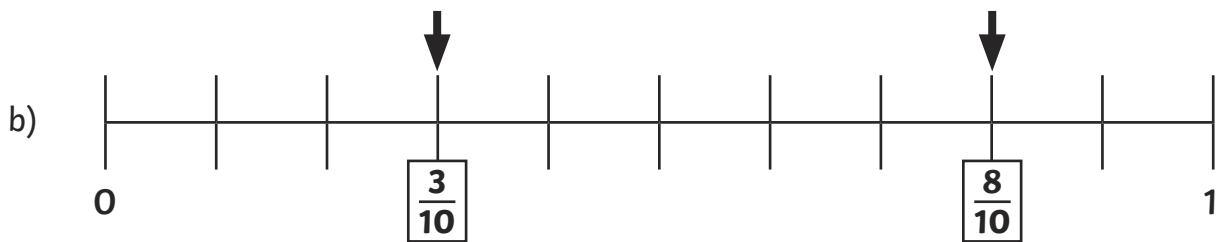
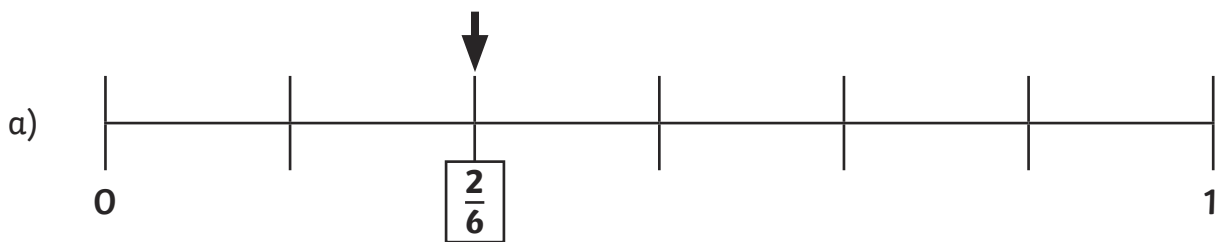


# Fractions on Number Lines Answers

1.

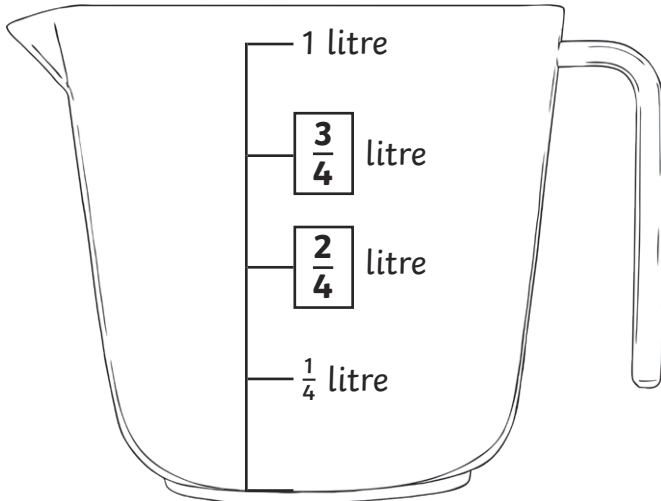


2.

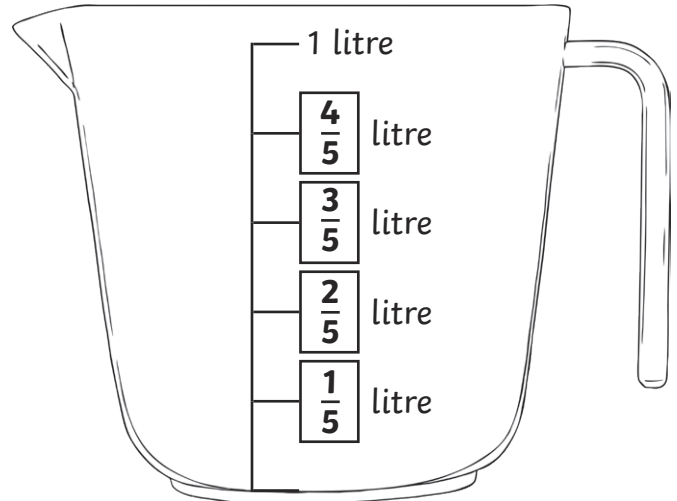


3.

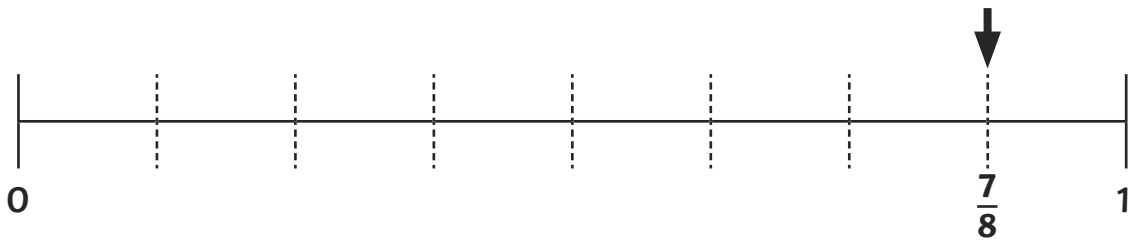
a)



b)



4.



5.

a)

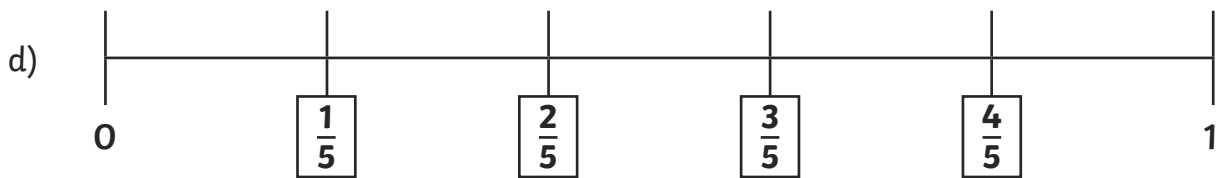
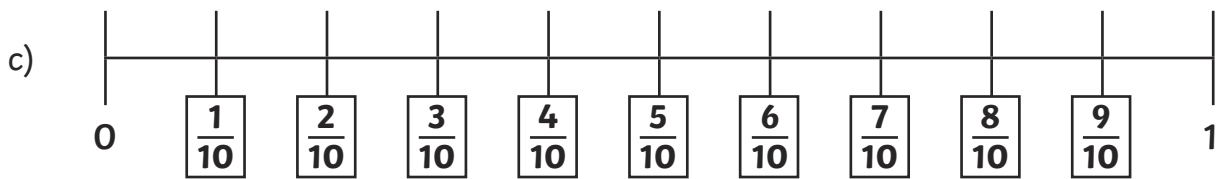
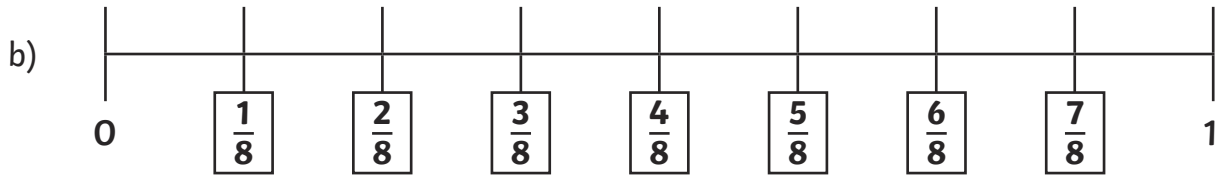
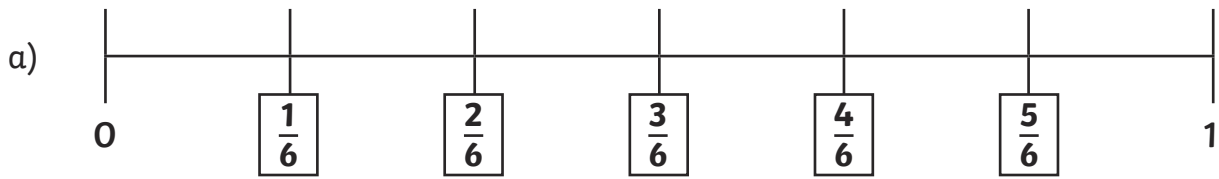


b)  $\frac{1}{3}$  is greater than  $\frac{1}{5}$  because  $\frac{1}{3}$  is closer to 1 than  $\frac{1}{5}$ .

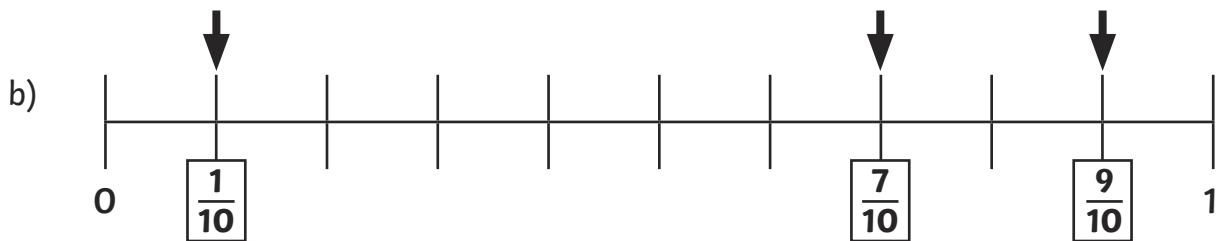
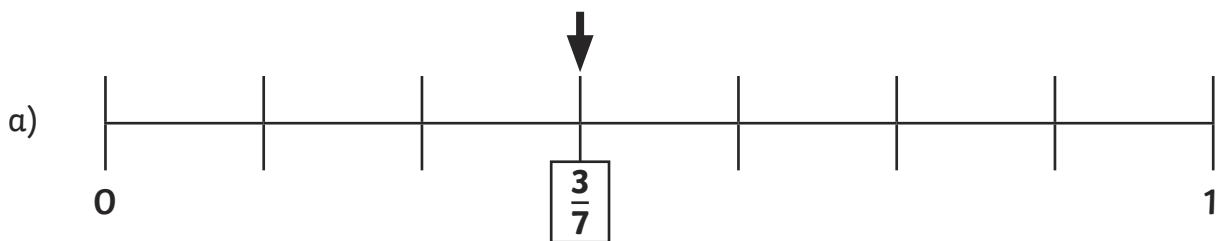
**Accept other answers which acknowledge the position of the fractions on the number line.**

# Fractions on Number Lines Answers

1.

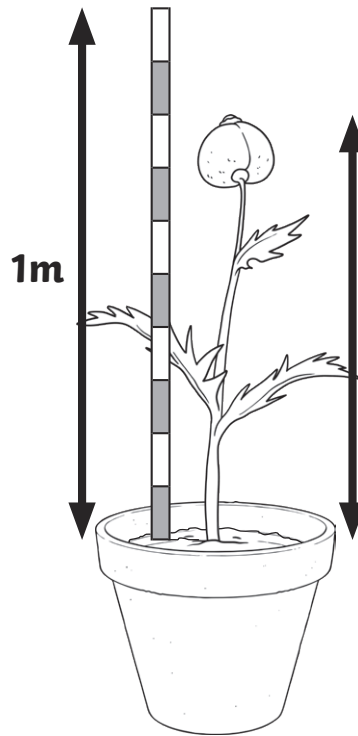


2.

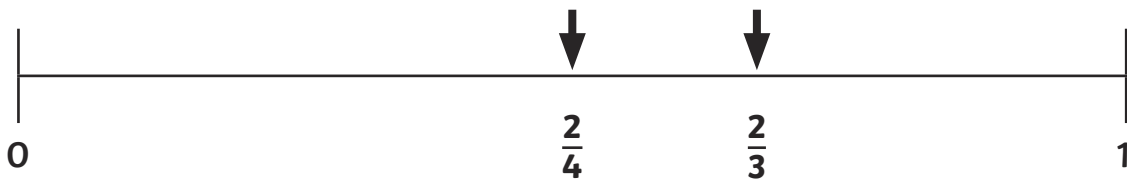


3.

The plant is  $\frac{8}{10}$  m tall.



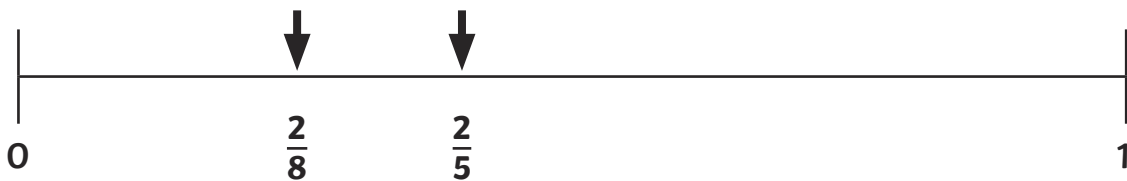
4.



$\frac{2}{3}$  is greater than  $\frac{2}{4}$  because  $\frac{2}{3}$  is closer to 1 than  $\frac{2}{4}$ .

Accept other answers which acknowledge the position of the fractions on the number line.

5.



False.  $\frac{2}{5}$  is greater than  $\frac{2}{8}$  because  $\frac{2}{5}$  is closer to 0 than  $\frac{2}{8}$ .

Accept other answers which acknowledge the position of the fractions on the number line.