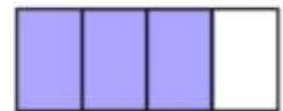
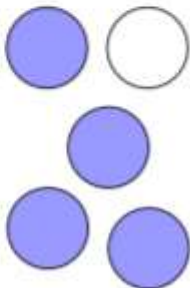
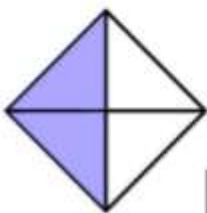
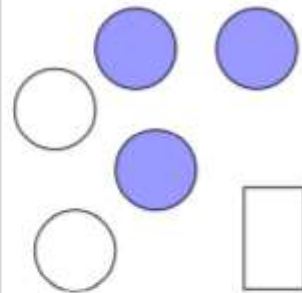
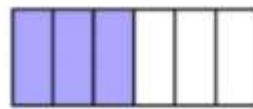
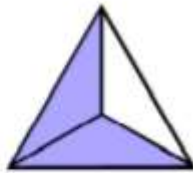
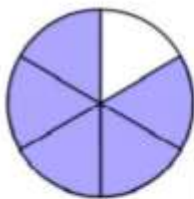
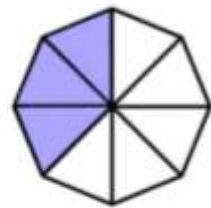
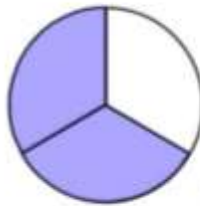
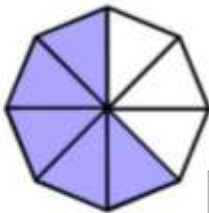
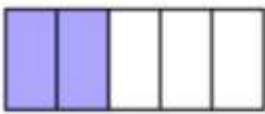
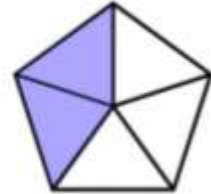
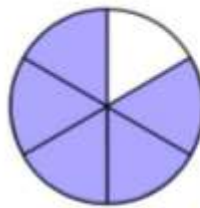
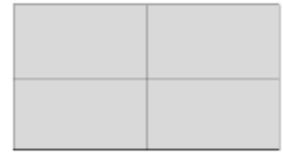
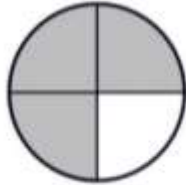
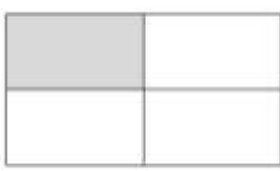


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Maths Tasks – Yellow Challenge

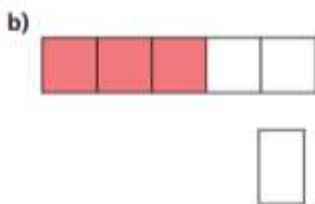
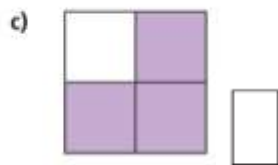
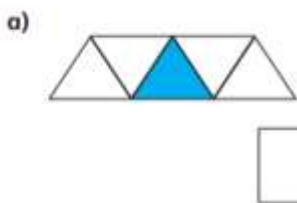
Identify the fraction of each shape that is shaded.



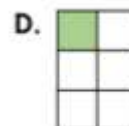
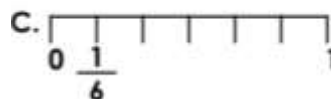
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Maths Tasks – Blue Challenge

1 What fraction of each shape is shaded?



2 Which image is the odd one out?



Explain how you know it is the odd one out.

3 Write down the unit fractions.

$\frac{1}{3}$ $\frac{1}{5}$ $\frac{3}{5}$ $\frac{1}{8}$ $\frac{2}{3}$ $\frac{10}{11}$

How do you know which are unit fractions?

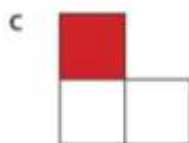
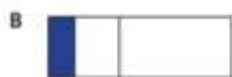
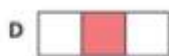
How do you know which are non-unit fractions?

4 Leah thinks the fraction represented below is $\frac{1}{5}$.



Is she correct? Prove it.

5 a) Write down the shapes that show one third shaded.



b) Complete the sentences to describe the shapes with one third shaded.



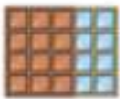



There are equal parts altogether.

out of equal parts is shaded.

of the shape is shaded.

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Maths Tasks – Green Challenge

$\frac{3}{5}$		$\frac{3}{4}$
Three fifths		
		

Here are 9 cards.
Sort the cards into different groups.
Can you explain how you made your decision?
Can you sort the cards in a different way?

Always, Sometimes, Never?

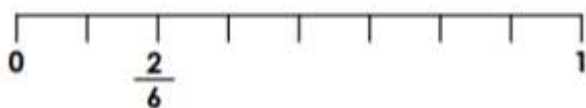
Alex says,

If I split a shape into 4 parts, I have split it into quarters.



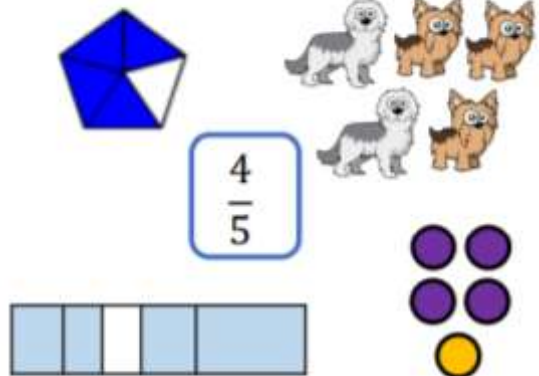
Explain your answer.

Peter writes a fraction on the number line.



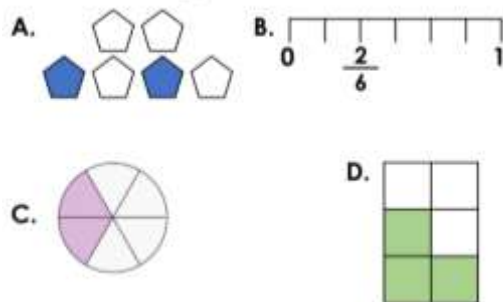
Explain the mistake he has made.

Which representations of $\frac{4}{5}$ are incorrect?



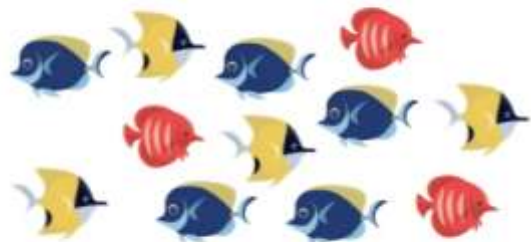
Explain how you know.

Which image is the odd one out?



Explain clearly how you know it is the odd one out.

Amy thinks one of the fractions represented below is $\frac{3}{12}$.

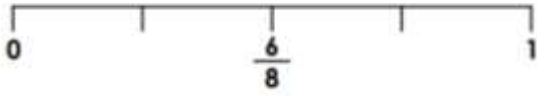


Is she correct? Prove it.

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Maths Tasks – White Challenge

Sam writes a fraction on the number line.



Explain clearly the mistake Sam has made, making sure you use the word 'equivalent' in your explanation.

Draw the number line below exactly, then place the fractions on the number line in the correct places.

$\frac{9}{10}$ $\frac{2}{10}$ $\frac{6}{10}$ $\frac{5}{10}$



Read the statements and match the fraction representation to the correct child.

Craig
My fraction has a numerator of 4.

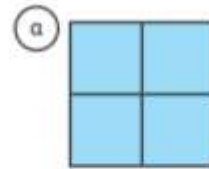
Lena
My fraction has a denominator of 4.

Fran
My fraction is a unit fraction.

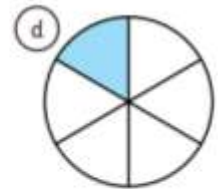
John
My fraction has 2 parts shaded out of 4.

Raj
My fraction is a non-unit fraction with a denominator greater than 4.

Cora
My fraction has an even numerator and an odd denominator.



b $\frac{4}{6}$



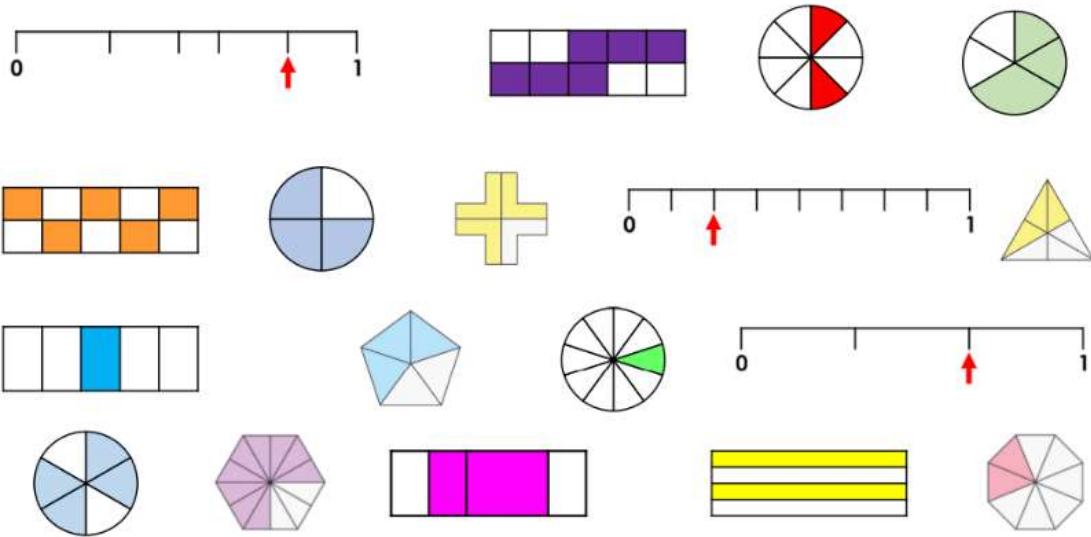
f two quarters

Harry has sorted these fractions. Do you think he is correct? Explain your reasoning.

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Maths Tasks – White+ Extension

Explore the different combinations these fractions could be sorted. Explain how you have sorted them each time.



Investigate if the same representation can be used in different groups.