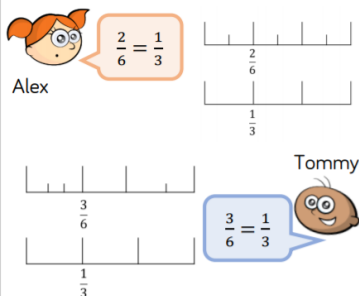


Use this sheet **WHEN** you've completed the main worksheet and want a challenge. Remember to use your blue book if you have it to show your workings. The questions were resourced from White Rose Maths and Twinkl Diving into Mastery.

1. Alex and Tommy are using number lines to explore equivalent fractions.



Who do you agree with? Explain why.

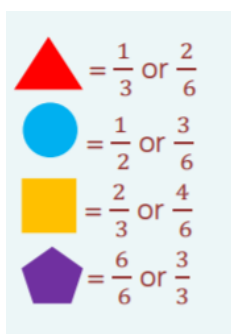
Alex is correct. She has correctly shown equivalent fractions in her number line representation.

Tommy is incorrect. His bottom number line correctly identifies $\frac{1}{3}$ but the top number line is incorrectly written.



Use the clues to work out which fraction is being described for each shape.

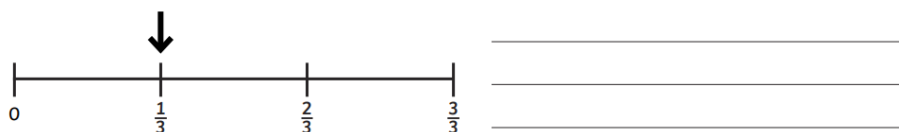
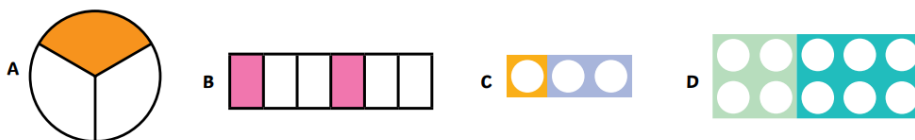
- My denominator is 6 and my numerator is half of my denominator.
- I am equivalent to $\frac{4}{12}$
- I am equivalent to one whole
- I am equivalent to $\frac{2}{3}$



Can you write what fraction each shape is worth? Can you record an equivalent fraction for each one?



3. Which representation is not equivalent to the fraction shown on the number line? Explain your reasoning.



Representation D is incorrect. A and C are quite obviously $\frac{1}{3}$. Shape B shows $\frac{2}{6}$ which is equivalent to $\frac{1}{3}$.

Shape D shows $\frac{4}{10}$ or $\frac{6}{10}$ neither of which are the same as $\frac{1}{3}$