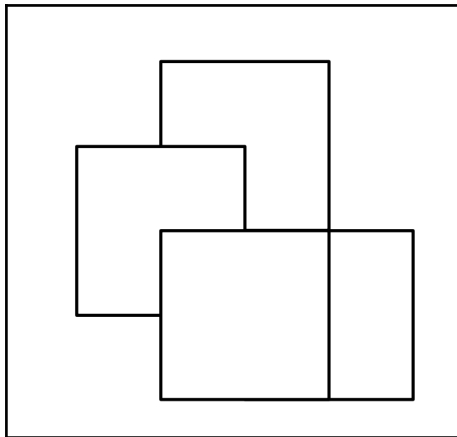


Year 4 Learning From Home
Subject: Mathematics
Term 4, Week 3, Wednesday 20/10/21

Warm Up:



What is the area?

If the large square has an area of 1, what is the area of the whole shape? How do you know?

Task :

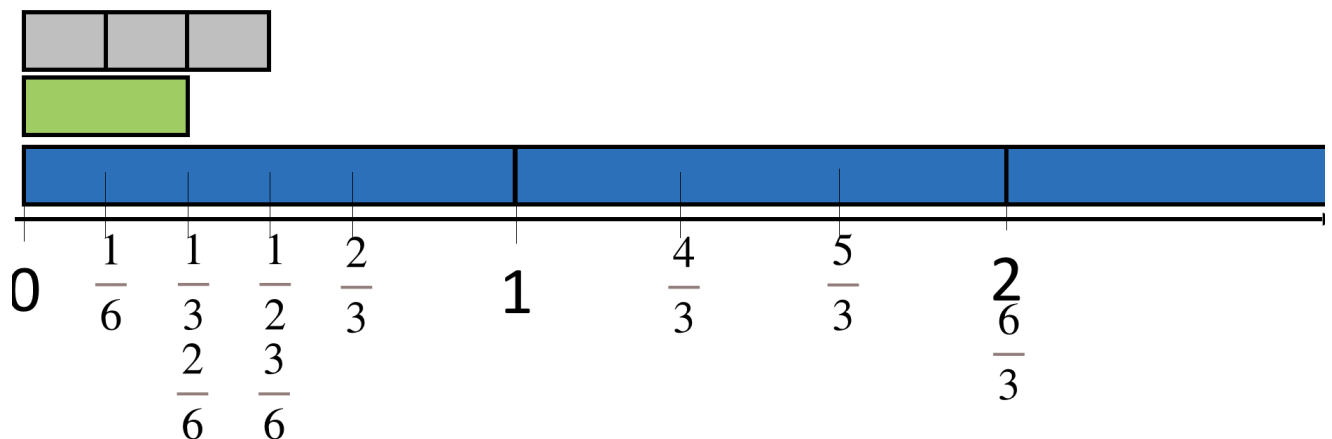
Fractions on the number line

Louisa and Timothy were asked to draw a number line and show where the fractions $\frac{1}{3}$ and $\frac{1}{6}$ were. They each wrote a sentence to explain their diagram.

Louisa wrote the first sentence and Timothy wrote the second sentence:

Three sixths is the same amount as one half.

One sixth is half of one third.



1. What colour rod shows thirds? Sixths?
2. Do you agree with Louisa's explanation? Why/Why not?
3. Do you agree with Timothy's explanation? Why/Why not?
4. Can you extend Louisa's thinking to show where $\frac{5}{6}$ would be?
5. Where would $2\frac{1}{6}$ (two and one sixth) be?

6. Both students said that this number line could be used to count by sixths starting at 0 and stopping at 3. Do you agree? Record the numbers for this counting.

For students who would like an extra challenge:

- Does this number line show mixed numerals or improper fractions?
- What is the difference between an improper fraction and a mixed numeral?
- Can you complete this count using mixed numerals ?