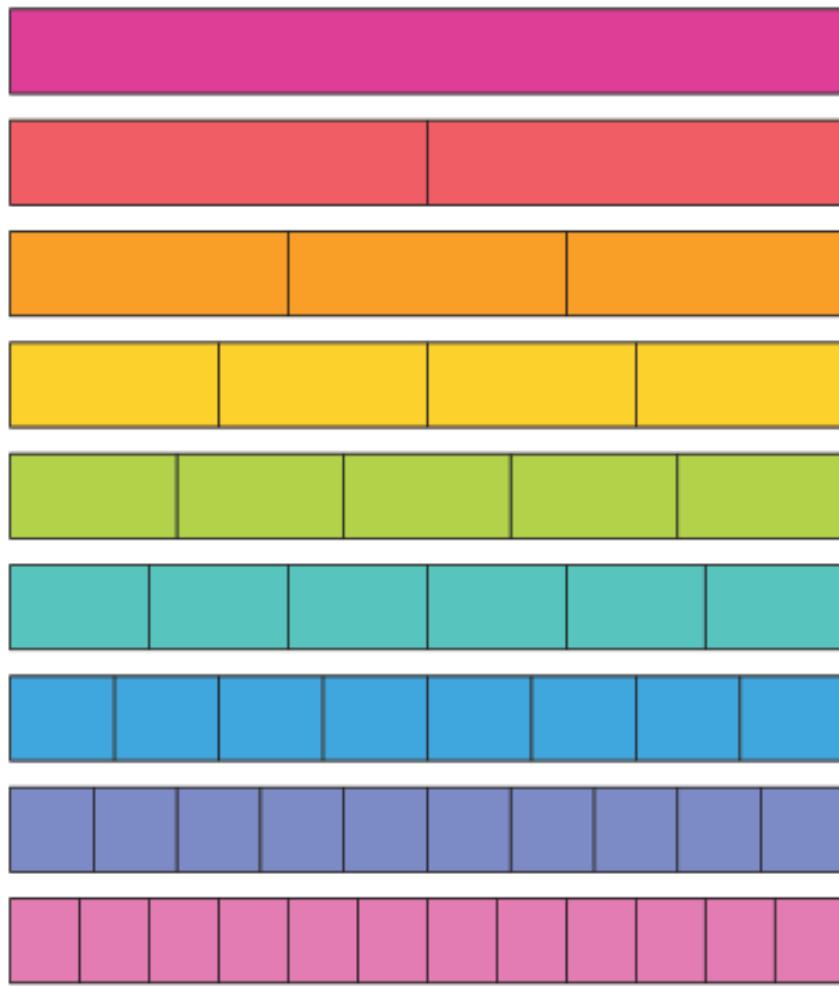


RECALL – FRACTION WALL

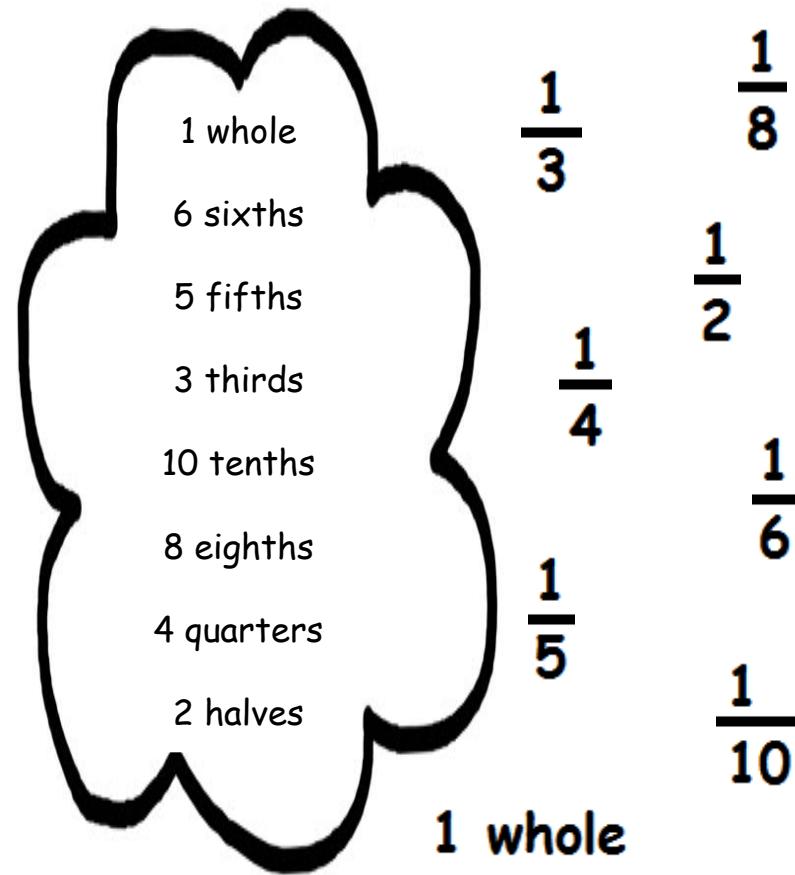


3 BEFORE ME



Denominator = how many to share by.

Place these fractions on the wall.



What equivalent fractions can you write?



One half is equivalent to _____.

One quarter is equivalent to _____.

Two tenths is equivalent to _____.

LO: I RECOGNISE AND SHOW EQUIVALENT FRACTIONS.

Page

Success Criteria

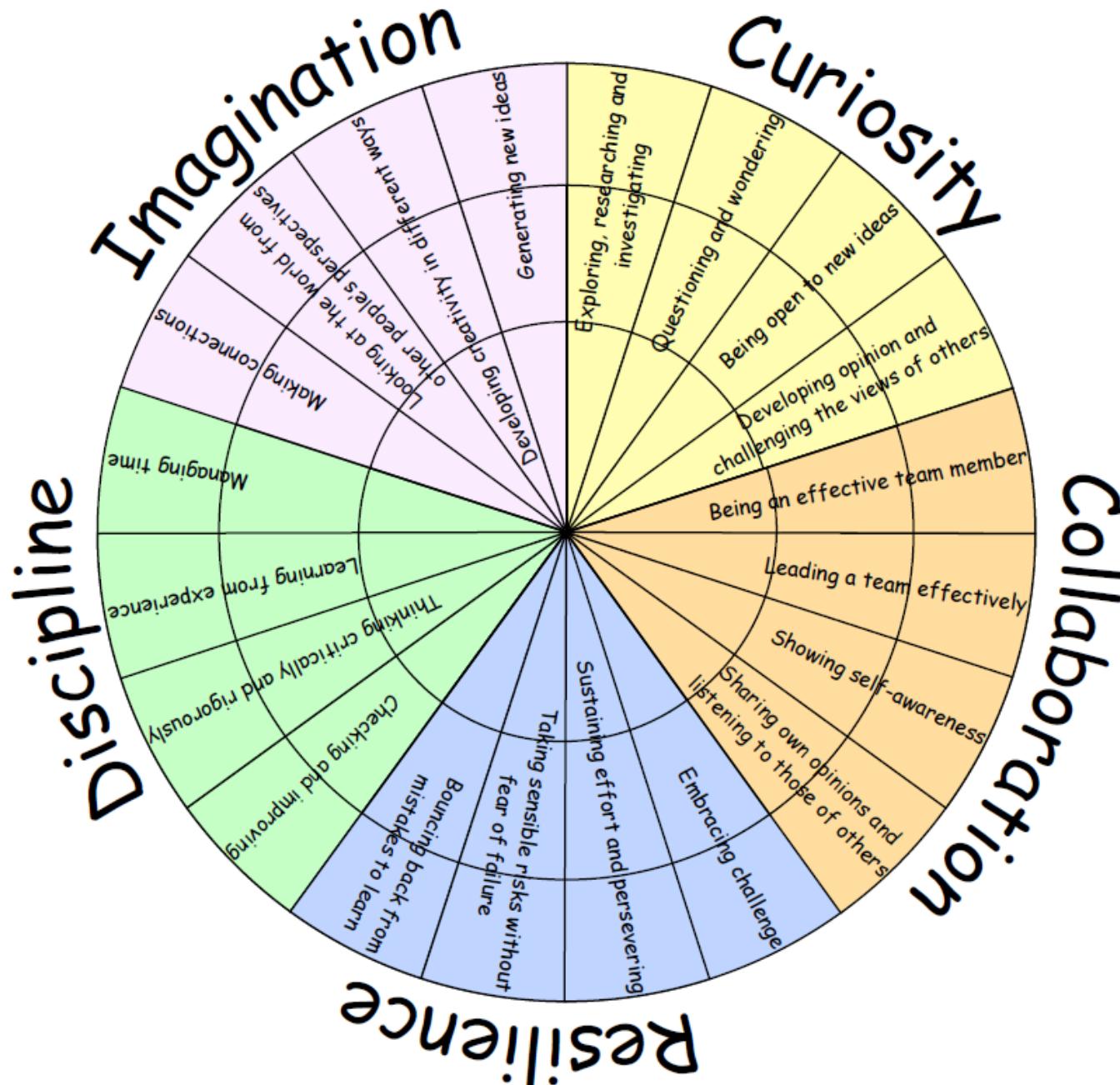
Some will even recognise the relationship/pattern between the numbers between equivalent fractions.

Some will find equivalent fractions where the numerators are both more than 1. (3 fifths is the same as 6 tenths)

Most will recognise equivalent fractions where one numerator is 1 (1 fifth is the same as).

All will find simple equivalent fractions (adult support).

LEARNING HABITS?

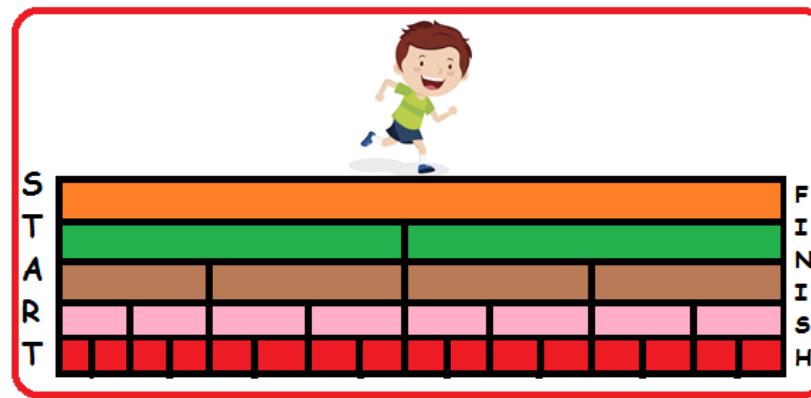


GUIDED PRACTICE

Lee is running along the race track.

Lee thinks he has ran one half of the track. $\frac{1}{2}$

His teacher tells him that he has ran two quarters of the track. $\frac{2}{4}$



Who is correct, Lee or his teacher?

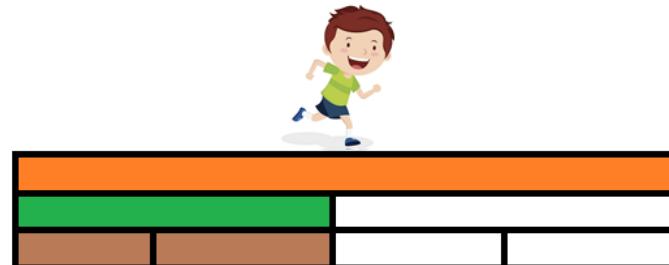
Look at the lines drawn on the track. Write two or more fractions that are equal to one half.

3 BEFORE ME

Denominator = how many equal intervals the race track has been split into.

Numerator = how many parts of the track passed.

The bar model represents the race track.



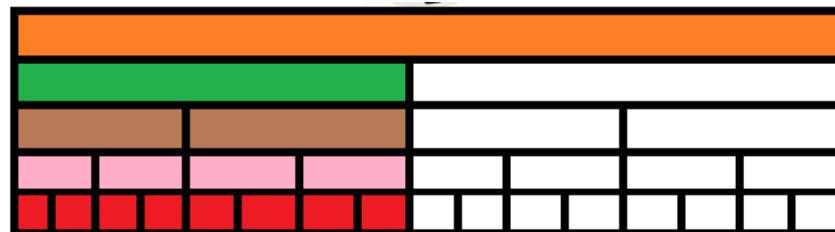
The orange bar shows the WHOLE length of the track.

The green bar shows the track split into 2 equal parts, so 2 is the denominator. Lee has passed 1 part, which is the numerator.

Lee has passed $\frac{1}{2}$ which is half. Lee was correct.

The brown bar shows the track split into 4 equal parts, so 4 is the denominator. Lee has passed 2 parts, which is the numerator. Lee passed $\frac{2}{4}$. His teacher was right too.

Equivalent fractions mean the same.



$$\frac{1}{2} = \frac{2}{4}$$

$$\frac{1}{2} = \frac{4}{8}$$

$$\frac{1}{2} = \frac{8}{16}$$

INTELLIGENT PRACTICE

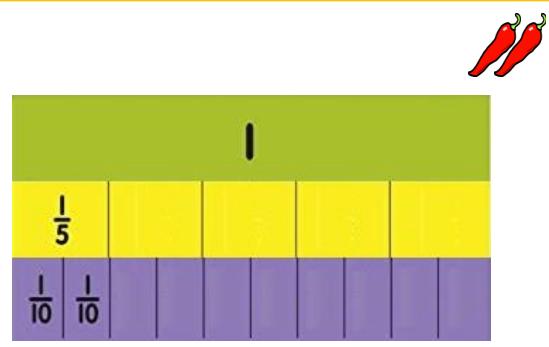
Fill in the missing equivalent fractions.



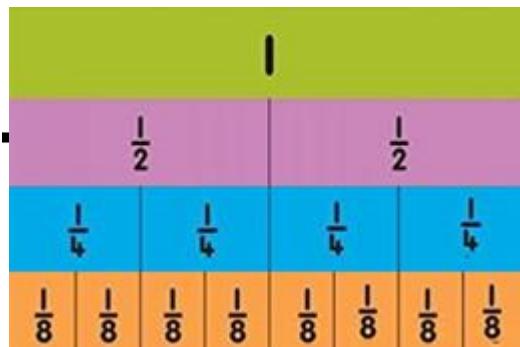
$$\frac{1}{2} = \frac{1}{4} + \frac{1}{4}$$



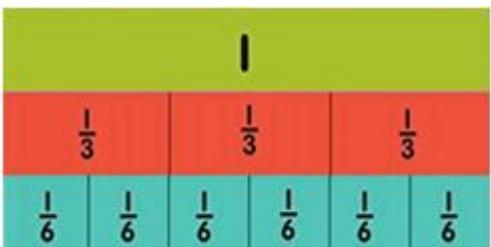
$$\frac{1}{3} = \frac{1}{6} + \frac{1}{6}$$



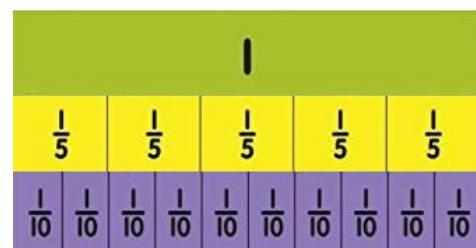
$$\frac{1}{5} = \frac{1}{10} + \frac{1}{10}$$



$$\frac{1}{4} = \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$$



$$\frac{2}{3} = \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$$



$$\frac{3}{3} = \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$$

3 BEFORE ME

Equivalent means 'the same'.



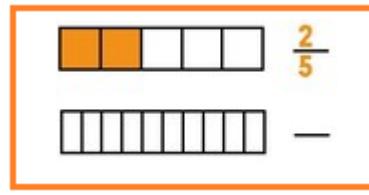
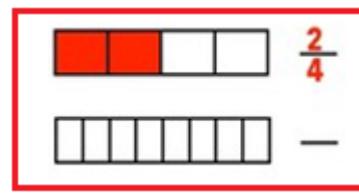
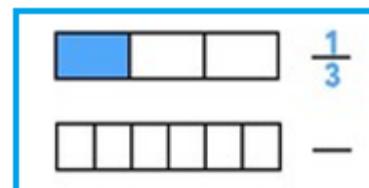
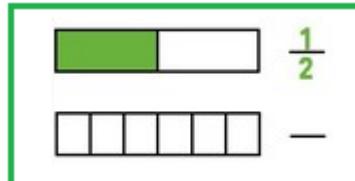
How many equivalent fractions
can you find?



DIVE DEEPER 1

1

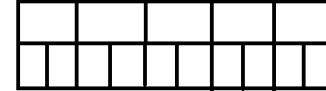
Colour in the bar models and complete the equivalent fractions.



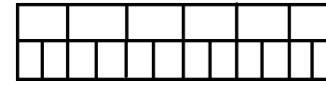
2

Shade the bars to show each fraction.
Fill in the equivalent fraction.

$$\frac{1}{5} \text{ is equivalent to } \underline{\quad}$$

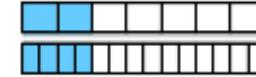


$$\frac{1}{6} \text{ is equivalent to } \underline{\quad}$$



3

Match 2 equivalent fractions to each wall.



$$\frac{4}{14}$$

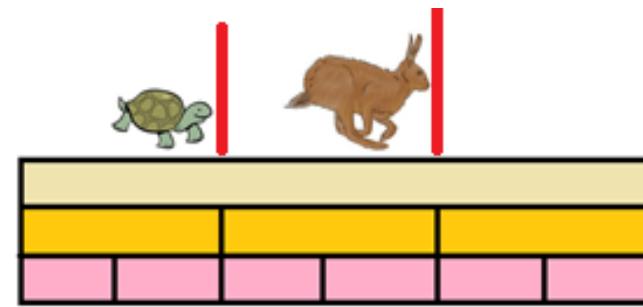
$$\frac{1}{3}$$

$$\frac{2}{7}$$

$$\frac{4}{12}$$

4

A tortoise and a hare had a race.



The tortoise travelled $\frac{1}{3}$ which is equivalent to $\underline{\quad}$.

The hare travelled $\frac{2}{3}$ which is equivalent to $\underline{\quad}$.

5

Lexi folded a paper strip into 4 equal parts. She colours 1 of the parts.



She folds it in half, across the length and unfolds it. It now looks like this.



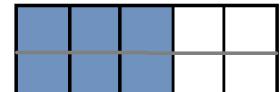
The blue part of the paper is $\underline{\quad}$.
This is equivalent to $\frac{1}{\underline{\quad}}$.

8

Tom folded a paper strip into 5 equal parts. He colours 3 of the parts.



He folds it in half, across the length and unfolds it. It now looks like this.



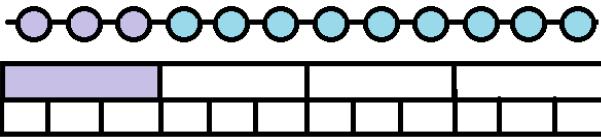
The coloured part of the paper is $\underline{\quad} = \underline{\quad}$

The white part of the paper is $\underline{\quad} = \underline{\quad}$

DIVE DEEPER 2

1

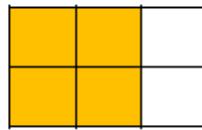
Alice makes a bracelet with beads.



The purple beads are worth $\frac{1}{\underline{\hspace{1cm}}}$.
This is equivalent to $\frac{\underline{\hspace{1cm}}}{12}$.

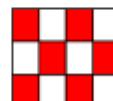
2

Explain how the diagram shows both 2 thirds and 4 sixths.



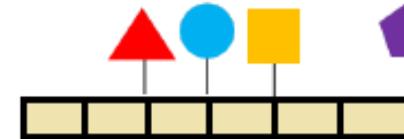
3

Three of these shapes show the same equivalent fraction. Circle the odd one out.
Explain.



4

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 come before the shape equivalent to $\frac{1}{2}$ and I am equivalent to two sixths.
- I am equivalent to 1.
- I am the same as 2 thirds.

Can you write what fraction each shape is worth?

$$\begin{array}{c} \text{Red triangle} \\ = \end{array}$$

$$\begin{array}{c} \text{Yellow square} \\ = \end{array}$$

$$\begin{array}{c} \text{Blue circle} \\ = \end{array}$$

$$\begin{array}{c} \text{Purple pentagon} \\ = \end{array}$$

5

I make this fraction.



I can make an equivalent fraction with a denominator of 9.



I disagree, you need to double the denominator of 3 and that makes 6.

Who do you agree with and why?
Prove it by drawing a bar model.