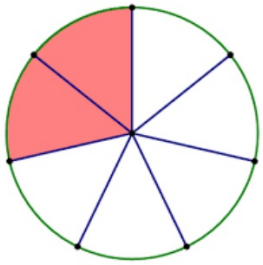
29.11.21

What is a fraction?

fraction

Origin - Latin word frangere which means to break something into pieces, shatter, fracture.

What is a fraction?



What can you tell me?

What fraction is this showing?

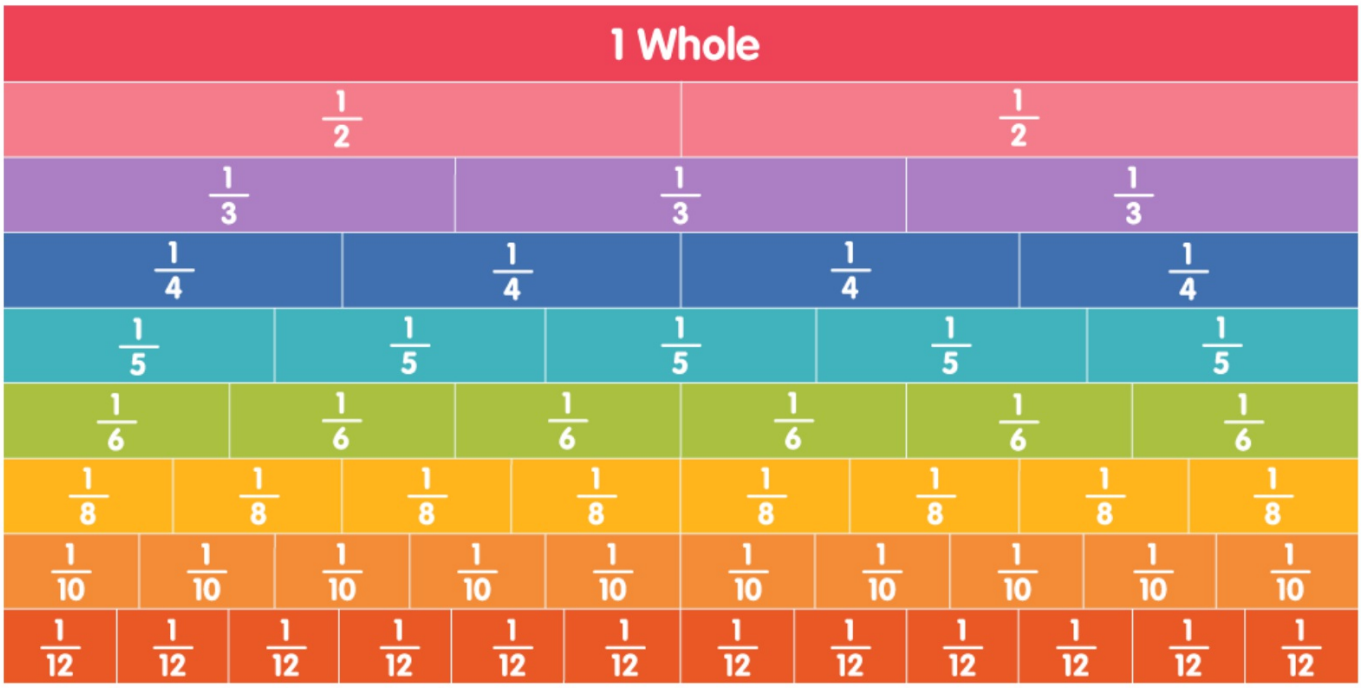
Task

Build a fraction wall

How can we divide this whole into 2 halves?

How do we write the fraction this is showing?

Continue building your fraction wall using strips of paper.



Plenary

Which fraction is larger

1/5 or 1/2?

2/5 or 1/4?

4/8 or 1/2?

How do you know?

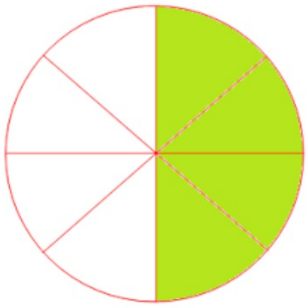
30.11.21

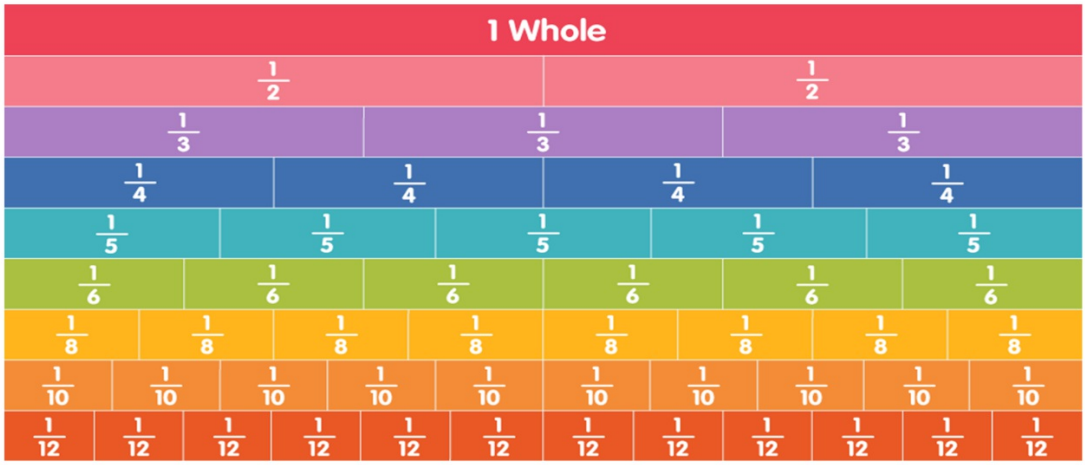
Which is larger?

What is a fraction?

What does the denominator show?

What does the numerator show?





Which is smaller?

1/3 or 1/4

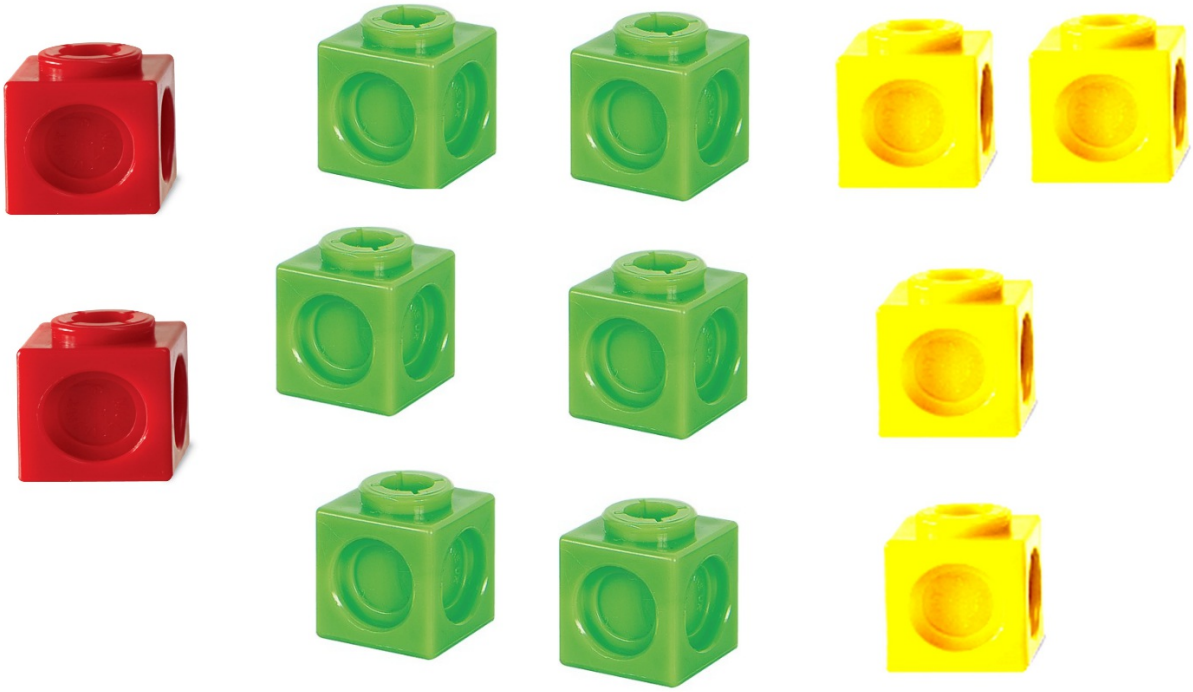
3/5 or 1/2

2/3 or 5/8

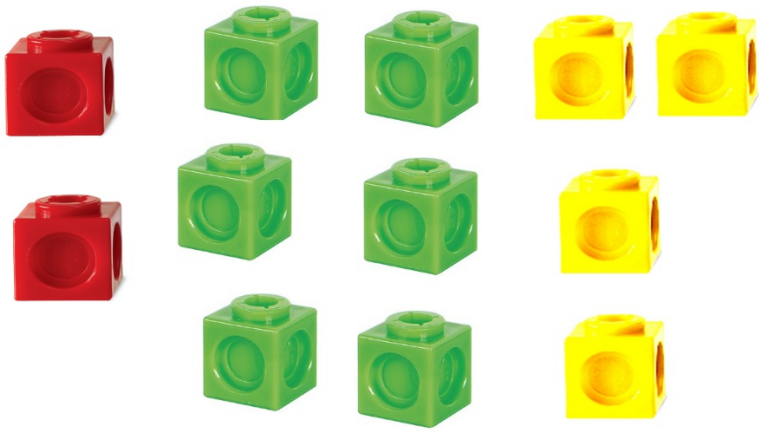
How do you know?

Task

Create a shape using 12 cubes of 3 different colours



What fraction?



1.12.21

What are equivalent fractions?

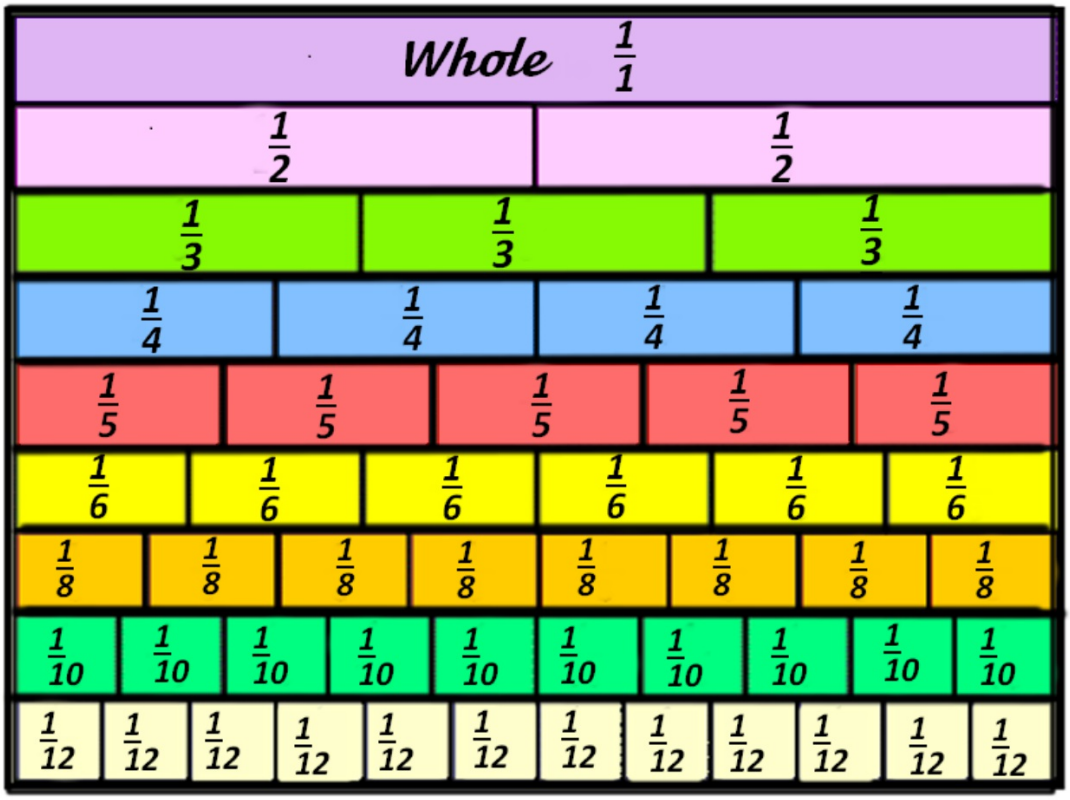
What is a fraction?

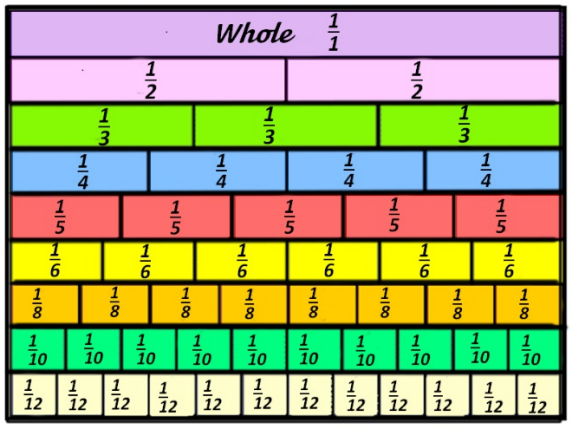
What does the word equivalent mean?

How does the word equivalent compare to equal?

What is an equivalent fraction?

Are there any fractions that are equivalent?





What do you notice about

$\frac{2}{3}$ and $\frac{4}{6}$

Find 3 equivalent fractions for

$\frac{1}{2}$

Draw fraction bars to prove

What do you notice?

Task

Write 3 equivalent fractions for each

1/2	1/2
1/4	1/4
1/3	2/3
3/4	4/10
2/3	11/12

Plenary

Is 3/9 written in the simplest form?

2.12.21

How do you simplify fractions?

What is a fraction?

What do you know about the word simplify?

What does it mean to simplify a fraction?

What do you know about simplifying fractions?

What do you notice?

3	10	12
6	20	24

What do you notice?

$\frac{3}{5}$ $\frac{10}{100}$ $\frac{6}{12}$ $\frac{7}{7}$

Sort the fractions into the table.

Simplifies to $\frac{1}{2}$	Simplifies to $\frac{1}{3}$	Simplifies to $\frac{1}{4}$

$\frac{5}{15}$ $\frac{2}{4}$ $\frac{4}{16}$ $\frac{8}{16}$ $\frac{5}{10}$ $\frac{3}{9}$ $\frac{6}{12}$ $\frac{2}{8}$

Can you see any patterns between the numbers in each column?
What is the relationship between the numerators and denominators?
Can you add three more fractions to each column?

Complete the sentence to describe the patterns:
When a fraction is equivalent to _____, the numerator is _____ the denominator.

Plenary

$\frac{\quad}{12} = \frac{1}{4}$

Check using the fraction strips

3.12.21

How do you compare when denominators are different?

What do you know about fractions?

Which is trickier to compare

$\frac{2}{3}$ and $\frac{5}{6}$

or

$\frac{1}{3}$ and $\frac{2}{3}$

How would you compare

$\frac{2}{3}$ and $\frac{5}{6}$

Check using the fraction strips.

What about

$\frac{1}{2}$ and $\frac{6}{8}$

Task

Use inequalities to compare

1 and 1

4 2

1 and 1

5 3

1 and 1

6 10

2 and 5

10 10

3 and 1

8 4

1 and 4

3 9

7 and 3

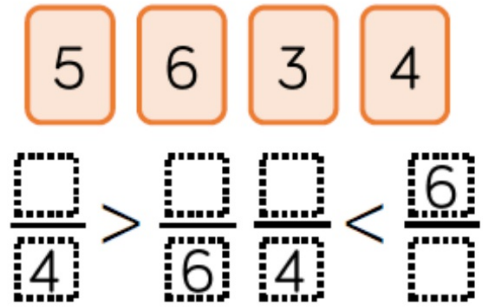
12 4

2 and 3

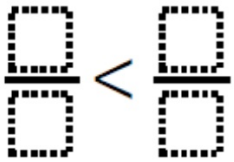
3 5

Plenary

Use the digit cards to complete the statements.



Find three examples of ways you could complete the statement.



Can one of your ways include an improper fraction?