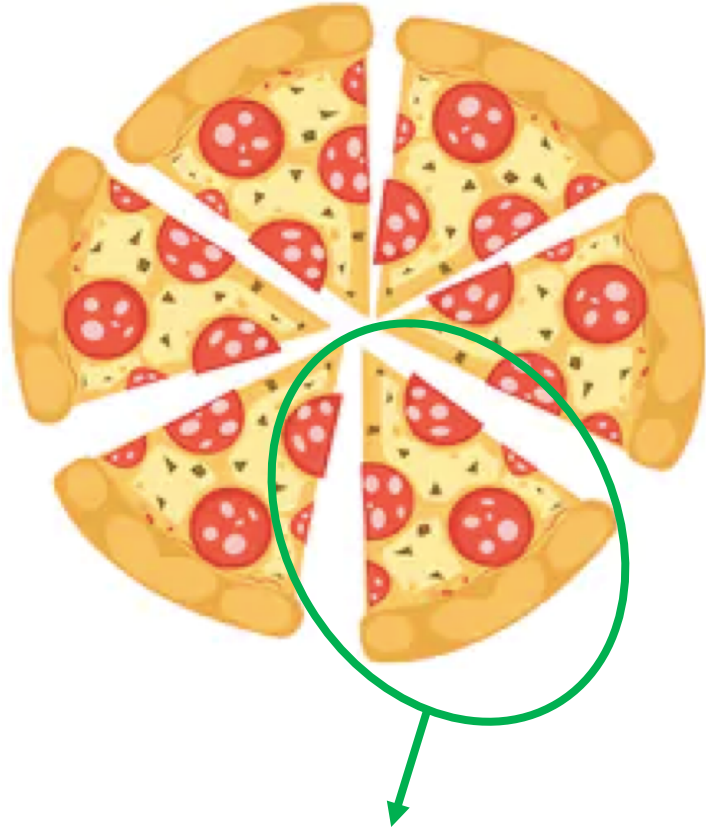# FRACTIONS

This pizza has been cut into 6 equally sized pieces.

Rebecca decides to steal one piece of pizza. There are **6 equally sized pieces** that make this pizza whole. If Rebecca pilfers 1 piece, then she has taken **1/6** of the pizza!

Numerator

The numerator is the number at the top. It tells you how many pieces we have. In this fraction, we have 1 piece.

*Example: Rebecca has stolen 1 slice of pizza.*

Denominator

The denominator is the number at the bottom. It tells us how many pieces make one whole. In this fraction we know that 6 pieces will make one whole.

Example: The whole pizza is made up of 6 slices. Each slice is exactly the same size. They are equal.

Complete the fraction wall. The first two have been done for you.

	Whole
$\frac{1}{2}$	$\frac{1}{2}$	Half
	Third
	Quarter
	Fifth
	_____
	_____
	_____
	_____
	_____
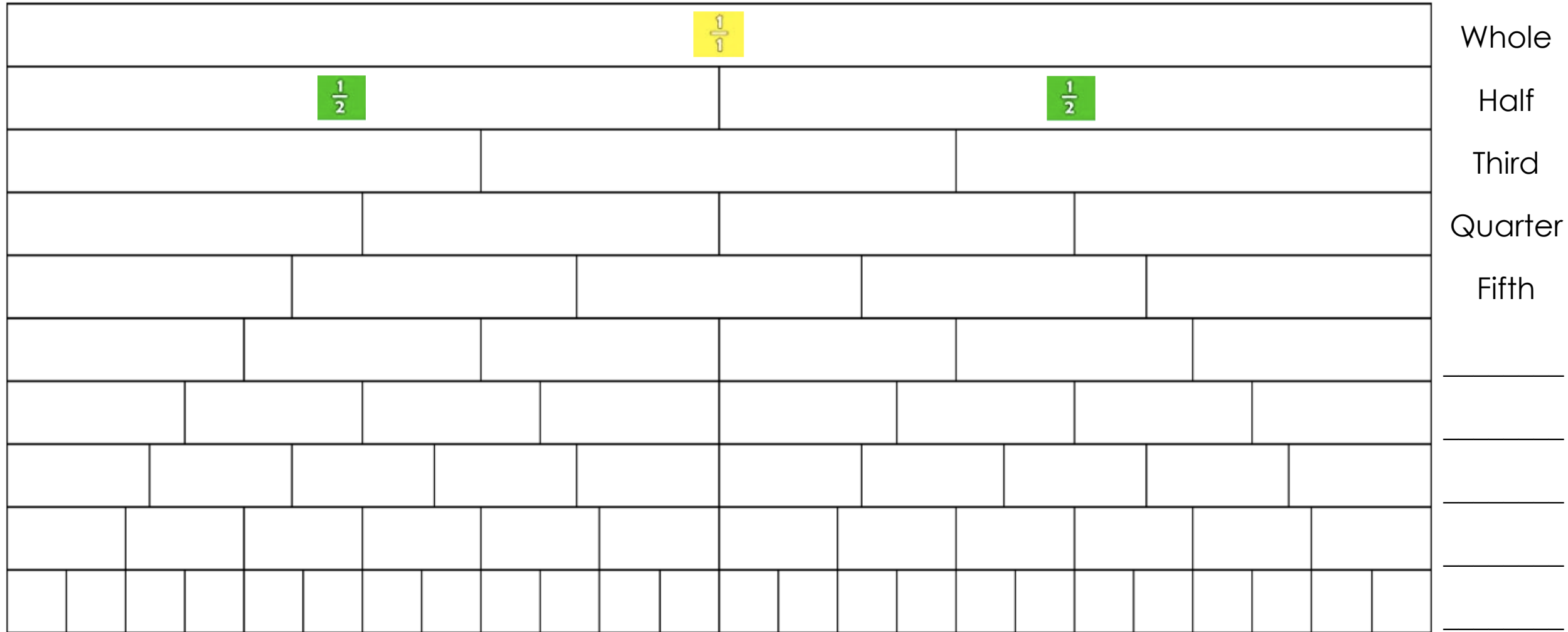
Using the completed fraction wall to help you, identify which of these statements is True, and which is False:

Statement	✅	❌
Two quarters is equivalent to one half		
Four sixths is equivalent to two thirds		
Three fifths is equal to eight tenths		
Six twenty-fourths is equal to one quarter		
One fifth is half of one tenth		
One eighth is half of one quarter		
One sixth is half of one third		
One third is half of one sixth		
One tenth is half of one fifth		
One tenth is double one fifth		
One twentieth is half of one tenth		
Two forty-eighths are one twenty-fourth		

Can you create some statements of truth for yourself, based on the fractions in the fraction wall?

Can you match the fractions on this page, with the correct picture on the next page?

If you have a printer, you can print this at home and then cut and match. If you don't, then I have labelled each fraction and each picture.

Example: Fraction A goes with picture 16, so my answer would be: A16.

A. $\dfrac{2}{20}$

B. $\dfrac{6}{6}$

C. $\dfrac{2}{6}$

D. $\dfrac{5}{8}$

E. $\dfrac{2}{12}$

F. $\dfrac{15}{20}$

G. $\dfrac{5}{7}$

H. $\dfrac{6}{10}$

I. $\dfrac{3}{4}$

J. $\dfrac{7}{9}$

K. $\dfrac{3}{8}$

L. $\dfrac{8}{16}$

M. $\dfrac{8}{8}$

N. $\dfrac{3}{12}$

O. $\dfrac{10}{20}$

P. $\dfrac{14}{20}$

Q. $\dfrac{4}{6}$

R. $\dfrac{1}{6}$

S. $\dfrac{3}{9}$

T. $\dfrac{4}{8}$

U. $\dfrac{12}{16}$

V. $\dfrac{3}{7}$

W. $\dfrac{4}{10}$

X. $\dfrac{2}{5}$
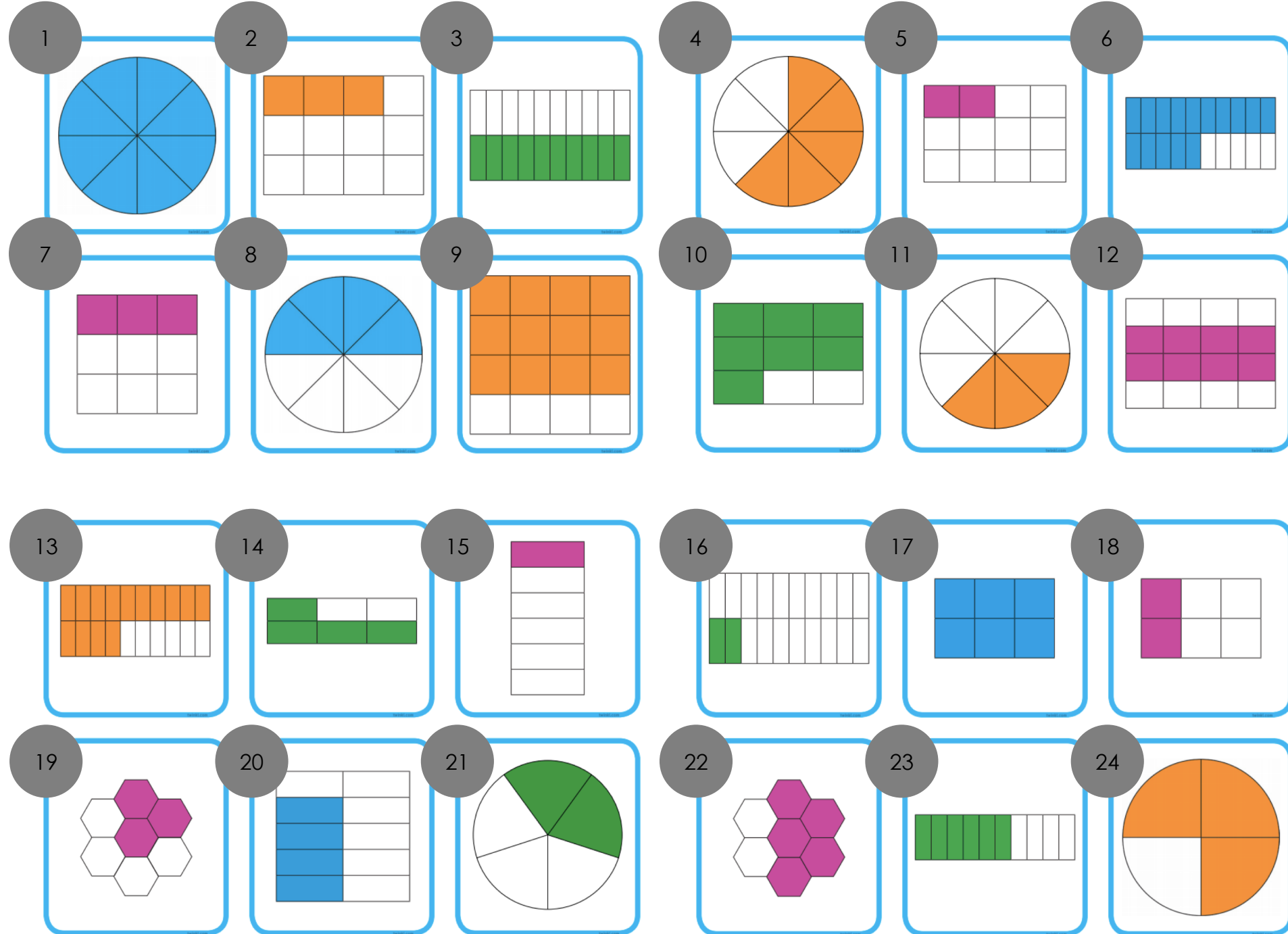
Fractions

Knowledge tablemats

Fractions

Key Vocabulary

- numerator
- denominator
- unit fraction
- non-unit fraction
- equivalent
- halves
- thirds
- quarters
- fifths
- sixths
- eighths
- tenths
- decimal tenths

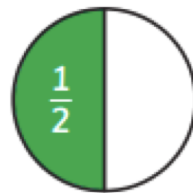twinkl visit twinkl.com

Recognising Fractions

$\frac{3}{8}$

Numerator — How many equal parts of the whole are needed?

Denominator — How many equal parts are in the whole?

Comparing Fractions

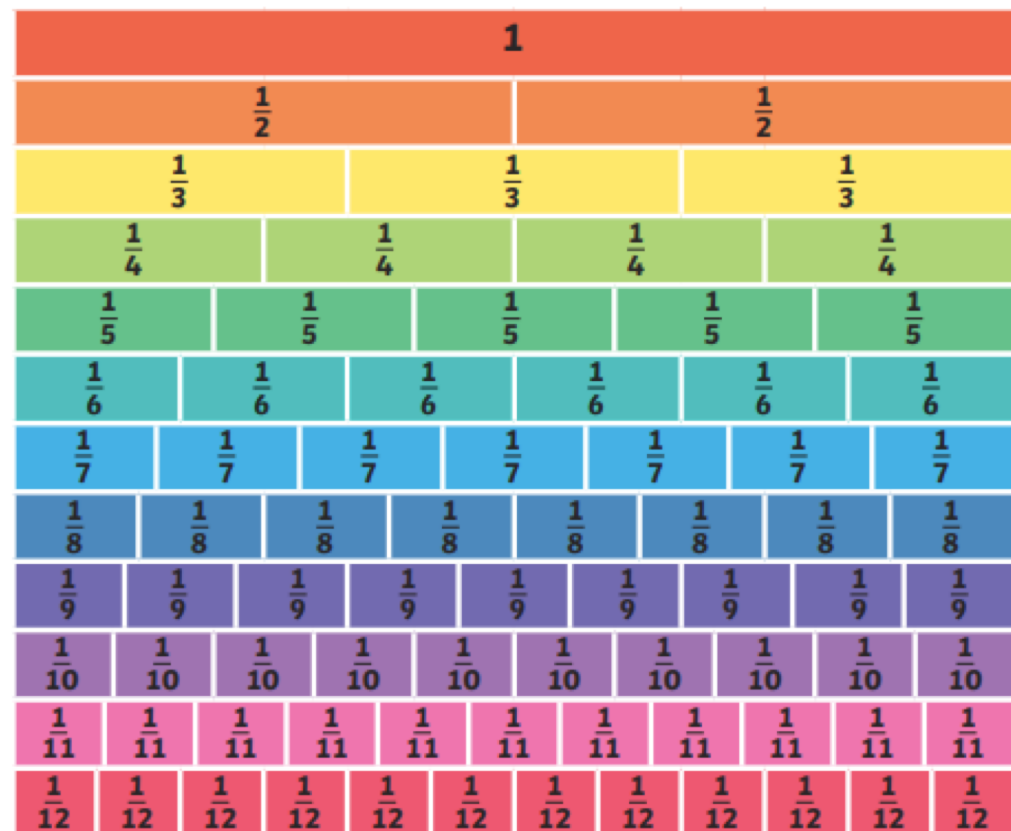$\frac{1}{3}$ *Less than* $<$ $\frac{2}{3}$

$\frac{4}{5}$ *Greater than* $>$ $\frac{3}{5}$

Equivalent Fractions

$\frac{1}{2}$ is equal to...

$\frac{1}{2} = \frac{2}{4} = \frac{3}{6} = \frac{4}{8} = \frac{5}{10} = \frac{6}{12}$

$\frac{1}{4}$ is equal to...

$\frac{1}{4} = \frac{2}{8} = \frac{3}{12} = \frac{4}{16} = \frac{5}{20}$

1											
$\frac{1}{2}$						$\frac{1}{2}$					
$\frac{1}{3}$				$\frac{1}{3}$				$\frac{1}{3}$			
$\frac{1}{4}$			$\frac{1}{4}$			$\frac{1}{4}$			$\frac{1}{4}$		
$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$			
$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$	
$\frac{1}{7}$	$\frac{1}{7}$		$\frac{1}{7}$		$\frac{1}{7}$		$\frac{1}{7}$		$\frac{1}{7}$	$\frac{1}{7}$	
$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$		$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$		$\frac{1}{8}$	$\frac{1}{8}$	
$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$			
$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$		
$\frac{1}{11}$	$\frac{1}{11}$	$\frac{1}{11}$	$\frac{1}{11}$	$\frac{1}{11}$	$\frac{1}{11}$	$\frac{1}{11}$	$\frac{1}{11}$	$\frac{1}{11}$	$\frac{1}{11}$	$\frac{1}{11}$	
$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$
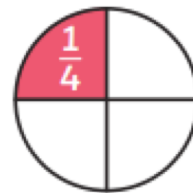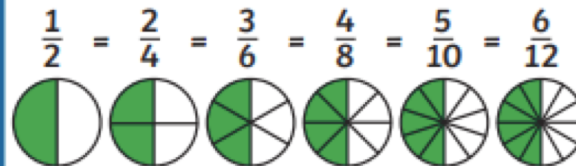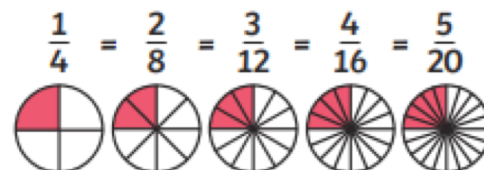
Fractions

Add and Subtract Fractions

$$\frac{2}{5} + \frac{1}{5} = \frac{3}{5}$$

$$\frac{3}{7} + \frac{2}{7} = \frac{5}{7}$$

$$\frac{5}{6} - \frac{2}{6} = \frac{3}{6}$$

Tenths

$0 \quad \frac{1}{10} \quad \frac{2}{10} \quad \frac{3}{10} \quad \frac{4}{10} \quad \frac{5}{10} \quad \frac{6}{10} \quad \frac{7}{10} \quad \frac{8}{10} \quad \frac{9}{10} \quad 1$

0   0.1   0.2   0.3   0.4   0.5   0.6   0.7   0.8   0.9   1
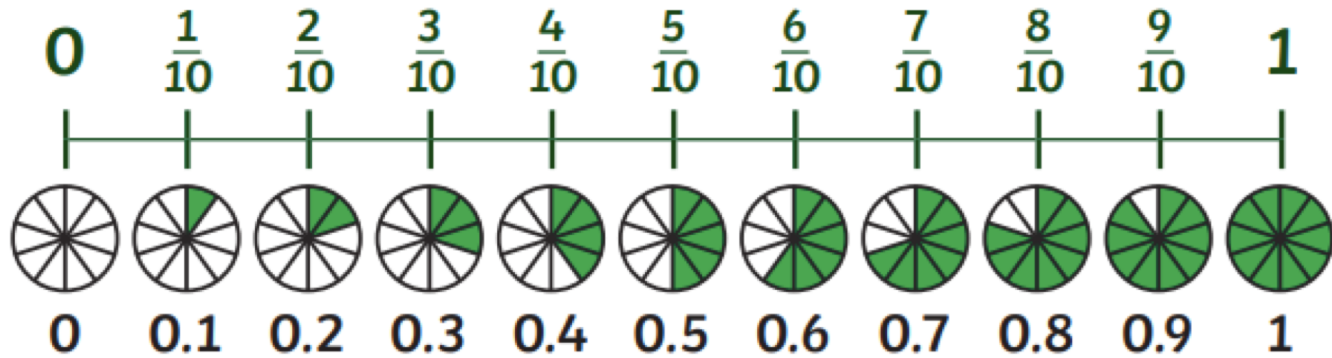
Fractions of Amounts

$$\frac{1}{4} \text{ of } 24 = 6$$

$$\frac{1}{3} \text{ of } 72 = 24$$

$$\frac{2}{5} \text{ of } 40 = 16$$