

INVADERS

YEAR 5 MATHEMATICS KNOWLEDGE ORGANISER

Multiplication

		4	2	3	2
x					6
	2	5	3	9	2
		1	1	1	

Children will then move onto multiplication by **two digit** using long multiplication.

		2		
		2	4	
x		1	6	
	1	4	4	
	2	4	0	
	3	8	4	

Children will be able to complete multiplication of 4 digits by **one digit** using short multiplication.

Division

$$5 \overline{) 035} \\ \underline{17} \\ 175$$

Children will use the short division to solve problems.

Can you show your remainder as a decimal?

Write down your x tables if you can't remember them.
Check your working out!

Fractions

$$\frac{3}{5} \leftarrow \text{numerator}$$

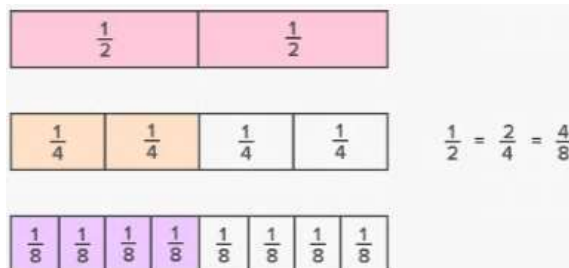
$$\frac{3}{5} \leftarrow \text{denominator}$$

Equivalent fractions have the same value but have different numerators and denominators.

$$2\frac{1}{2} \rightarrow \frac{5}{2}$$

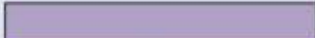

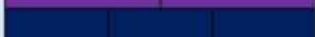



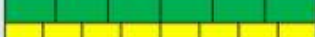


Mixed fraction

Improper fraction



Decimals and Percentages

Decimals, Percentages and Fractions

	Fraction	Percentage	Decimal
	1 whole	100%	1
	$\frac{1}{2}$	50%	0.5
	$\frac{1}{3}$	33.3%	0.33
	$\frac{1}{4}$	25%	0.25
	$\frac{1}{5}$	20%	0.2
	$\frac{1}{6}$	16.7%	0.167
	$\frac{1}{8}$	12.5%	0.125
	$\frac{1}{10}$	10%	0.1
	$\frac{1}{12}$	8.3%	0.083

INVADERS

YEAR 5 KNOWLEDGE ORGANISER

SMSC

Christian
Christianity
Jesus
Teachings
Love
Forgiveness
Inspiration
Generosity
Justice

What would Jesus do?
Can we live by the values of Jesus in the 21st century?

PSHE

Feelings
empathy
friendships
families,
positive
relationship.

DT

Structures

frame structure
strengthen
reinforce
greenhouse
agricultural engineering
architect



Nicolas Grimshaw

ART

Printing

Warm + cold colours
Complementary colours
Contrasting colours
Poly bricks
Relief
Resist



HISTORY

The Vikings



Raids

The **Viking Age** in Britain began about **1,200 years ago** in the 9th Century AD and lasted for just over 200 years.

Danegeld

About the year **800**, bands of fierce raiders began to attack our coasts. They were the Vikings, also called the Danes although they didn't just come from Denmark.

Danelaw

Norse

The Vikings came across the **North Sea**, just as the Anglo-Saxons had done 400 years earlier. In time, like the **Anglo-Saxons**, the Vikings made their home here. They drove the Saxons out of part of the country and took it for themselves.

Sources of Evidence

GEOGRAPHY

satellite images
primary sources
secondary sources
evidence
OS map symbols
North



SCIENCE

Earth and Space



Earth

Earth
Sun
Moon
Axis

Rotation

Day
Night

Phases of the Moon

Star

Constellation

Solar System

All objects and planets in our solar system orbit the Sun. The Solar System formed around 4.6 billion years ago. There are eight planets in the Solar System. The four inner planets are **Mercury, Venus, Earth** and **Mars** while the four outer planets are **Jupiter, Saturn, Uranus** and **Neptune**.

Viking Timeline

793 – Vikings attack the monastery of Lindisfarne, Northumbria

829- Wessex becomes the supreme Kingdom. Alfred creates one kingdom.

851- Athelstan wins a battle with the Vikings.

867 – The Vikings capture York and rename it Yorkvik.

878- Wessex is overrun by Vikings and Alfred goes into hiding.

886-Alfred agrees a treaty with the Vikings