Week 12, Day 5
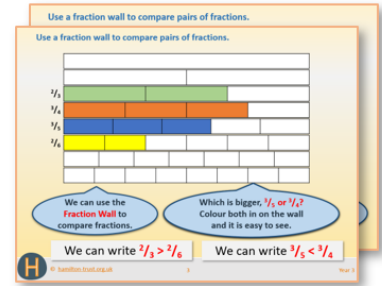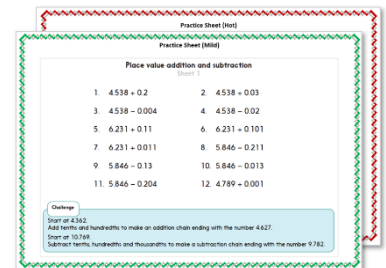## Recognise years written in Roman numerals
Each day covers one maths topic. It should take you about 1 hour or just a little more.
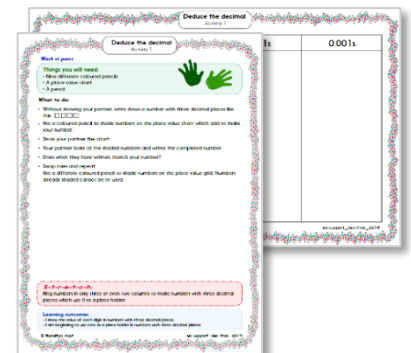
1. Start by reading through the **Learning Reminders**.
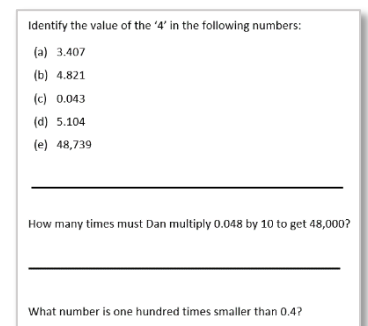   They come from our *PowerPoint* slides.

2. Tackle the questions on the **Practice Sheet**.
    There might be a choice of either Mild (easier) or
    Hot (harder)!
    Check the answers.

3. Finding it tricky? That's OK… have a go with a
    grown-up at **A Bit Stuck?**

4. Have I mastered the topic? A few questions to
    Check your understanding.
    Fold the page to hide the answers!

Learning Reminders

Recognise years written in Roman numerals.

1-10	Multiples of 10	Multiples of 100
I	X	C
II	XX	CC
III	XXX	CCC
IV	XL	CD
V	L	D
VI	LX	DC
VII	LXX	DCC
VIII	LXXX	DCCC
IX	XC	CM
X	C	M

Learning Reminders

Recognise years written in Roman numerals.

Have you ever seen the year a film/TV programme was made written in Roman numerals at the end of the credits? **?**

This year written in Roman numerals is **MMXX**.

See how there is no symbol to say that there are no 100s and no 1s in this number.

In fact, even in the number system which we use, there were no zeroes for hundreds of years! Historians generally agree that a Persian encyclopaedist (Muhammad ibn Ahmad al-Khwarizmi) wrote in around 976 that if in a calculation, no number appears in the place of tens, then a little circle should be used 'to keep the rows'. This circle was called 'empty' in Arabic and later became called zero.

Some children in our class were born in MMIX. Find out what year other people in your family were born and write it in Roman numerals. Use the table on the previous page to help.

Practice Sheet Mild
Dates

Choose at least 8 dates and work out how we write them using Hindu-Arabic numerals.

DCCXCIII		Vikings begin to invade Britain
MLXVI		Battle of Hastings
MC		First record of football in England
MCCXV		Signing of Magna Carta
MCDXCII		Christopher Columbus sails to the Americas
MDV		Leonardo da Vinci completes the Mona Lisa
MDCV		Gunpowder Plot
MDCLXVI		Great Fire of London
MDCCLXXVI		Americans declare independence from Britain
MDCCLXXXIX		The French Revolution
MDCCCXXV		Stockton to Darlington Railway opens – world's first service of locomotive-hauled passenger trains
MDCCCXXXIII		Abolition of Slavery Act (UK)

Challenge

Choose 3 more historical events and write the year they happened in Roman numerals.

Practice Sheet Hot
Dates

Choose at least 8 dates and work out how we write them using Hindu-Arabic numerals.

DCCXCIII		Vikings begin to invade Britain
MLXVI		Battle of Hastings
MC		First record of football in England
MCCXV		Signing of Magna Carta
MCDXCII		Christopher Columbus sails to the Americas
MDV		Leonardo da Vinci completes the Mona Lisa
MDCV		Gunpowder Plot
MDCLXVI		Great Fire of London
MDCCLXXVI		Americans declare independence from Britain
MDCCLXXXIX		The French Revolution
MDCCCXXV		Stockton to Darlington Railway opens – world's first service of locomotive-hauled passenger trains
MDCCCXXXIII		Abolition of Slavery Act (UK)
MCMXIV		Start of World War I
MCMXXXIX		Start of World War II
MCMXLVIII		Birth the of the NHS
MCMLXIX		First person on the moon
MCMLXXXIX		Fall of the Berlin wall
MCMXCIV		Nelson Mandela became the first black president of South Africa after he helped to end apartheid
MMI		Terrorist attack on the twin towers, New York
MMXII		London Olympic games

Challenge

Choose three more historical events, and write the year that they happened in Roman numerals.

Practice Sheets Answers

Dates (mild and hot)

DCCXCIII	793	Vikings begin to invade Britain
MLXVI	1066	Battle of Hastings
MC	1100	First record of football in England
MCCXV	1215	Signing of Magna Carta
MCDXCII	1492	Christopher Columbus sails to the Americas
MDV	1505	Leonardo da Vinci completes the Mona Lisa
MDCV	1605	Gunpowder Plot
MDCLXVI	1666	Great Fire of London
MDCCLXXVI	1776	Americans declare independence from Britain
MDCCLXXXIX	1789	The French Revolution
MDCCCXXV	1825	Stockton to Darlington Railway opens – world's first service of locomotive-hauled passenger trains
MDCCCXXXIII	1833	Abolition of Slavery Act (UK)
MCMXIV	1914	Start of World War I
MCMXXXIX	1939	Start of World War II
MCMXLVIII	1948	Birth the of the NHS
MCMLXIX	1969	First person on the moon
MCMLXXXIX	1989	Fall of the Berlin wall
MCMXCIV	1994	Nelson Mandela became the first black president of South Africa after he helped to end apartheid
MMI	2001	Terrorist attack on the twin towers, New York
MMXII	2012	London Olympic games

Explore more Hamilton Trust Learning Materials at https://wrht.org.uk/hamilton

A Bit Stuck?
Roman numerals to 100

Write the numbers before and after each number written using Roman numerals. Use the table to help you.

1. X
2. V
3. XX
4. XV
5. LI
6. XXXV
7. XCII
8. LV
9. XL
10. XCIX

1	I
2	II
3	III
4	IV
5	V
6	VI
7	VII
8	VIII
9	IX

10	X
20	XX
30	XXX
40	XL
50	L
60	LX
70	LXX
80	LXXX
90	XC
100	C

A Bit Stuck? Answers

Roman numerals to 100

1. IX X XI
2. IV V VI
3. XIX XX XXI
4. XIV XV XVI
5. L LI LII
6. XXXIV XXXV XXXVI
7. XCI XCII XCIII
8. LIV LV LVI
9. XXXIX XL XLI
10. XCVIII XCIX C

Write the current year in Roman numerals.
Write next year and the year after too.

_____

Write the missing letters in this sequence of numbers:

LXIX, LXXIX, LXXXIX, ☐☐IX, CIX, ☐☐IX, ☐☐☐IX, ☐☐☐☐IX, ☐☐☐☐☐

_____

Do this calculation using Arabic numbers:

2,496 + 1,514

Now do it using Roman numbers.
What do you notice?

_____

Which Roman number <100 uses the most numerals?
Is this the same as the amount of money <£1 that uses most coins?

Check your understanding
Answers

Write the current year in Roman numerals.
Write next year and the year after too.

MMXX, MMXXI, MMXXII

Write the missing letters in this sequence of numbers:

LXIX, LXXIX, LXXXIX, XCIX, CIX, CXIX, CXXIX, CXXXIX, CXLIX.

Do this calculation using Arabic numbers:

2,496 + 1,514 = 4,010

Now do it using Roman numbers.
What do you notice?
MMCDXCVI + MDXIV. Difficult to line up in columns and tricky without a zero!

Which Roman number <100 uses the most numerals?
LXXXVIII (88)

Is this the same as the amount of money <£1 that uses most coins?
88p needs a minimum of 6 coins 50p, 20p, 10p, 5p, 2p, 1p (as does 89p, 98p and 99p).