

Cherry Lane Primary School

Year 6- Home Maths Log 2018/2019

Name:

Class:

This log will be used to track the Maths that your child completes at home. The secret to success is practising little and often. Use time wisely. Can you practise the key facts in the booklet while walking to school or during a car journey?

When you do, please sign or initial this log and write a comment to briefly explain the Maths learning completed. We don't want children to see this as homework or a punishment, we'd like them to realise how much Maths is completed and used during everyday life. Please encourage games as well as songs and chants.

Comments written by parents can even include how your child has used Maths around the house e.g. *'Today we went to watch a film which was due to start at 13:20 worked out that we needed to leave the house by 12:55 as the journey would take us 10 minutes and noticed that it would leave us with 15 minutes to spare which we needed as we still needed to purchase the tickets and popcorn!'*

Number bonds to 100

Children in Year 6 should be able to instantly recall their number facts to 100 instantly. Ensure they are confident and fluent in Set A before testing them on Set B and then Set C.

Set A examples:

$10 + 90 = 100$

$20 + 80 = 100$

$30 + 70 = 100$

$40 + 60 = 100$

$50 + 50 = 100$

How can your number bonds to 10 help you find your number bonds to 100?

Set B examples:

$5 + 95 = 100$

$15 + 85 = 100$

$25 + 75 = 100$

$35 + 65 = 100$

$45 + 55 = 100$

What do I add to 30 to get to 100?

What is 45 less than 100?

What is the difference between 100 and 34?

Set C examples:

$3 + 97 = 100$

$14 + 86 = 100$

$22 + 78 = 100$

$37 + 63 = 100$

$49 + 51 = 100$

Online games to aid with learning of number bonds:

<http://www.conkermaths.org/cmweb.nsf/pages/numberbondpairs.html>

<https://www.topmarks.co.uk/maths-games/hit-the-button>

Time durations

Children in Year 6 should be able to instantly recall durations of time.

There are 60 seconds in 1 minute.

There are 60 minutes in 1 hour.

There are 24 hours in 1 day.

There are 7 days in 1 week.

There are 12 months in 1 year.

There are 365 days in 1 year.

There are 366 days in 1 leap year.

How can you work out
your age in months?

How many days/weeks
until Christmas?

Number of days in each month:

January	31
February	28/29
March	31
April	30
May	29
June	30
July	31
August	31
September	30
October	31
November	30
December	31

Thirty days hath
September,
April, June and
November;
February has twenty-
eight alone
All the rest have
thirty-one
Except in Leap Year,
that's the time
When February's Days
are twenty-nine

Which day comes before 1st September?

Which day comes after 30th July?

Online games to aid with learning of time durations:

<http://www.conkermaths.org/cmweb.nsf/pages/numberbondpairs.html>

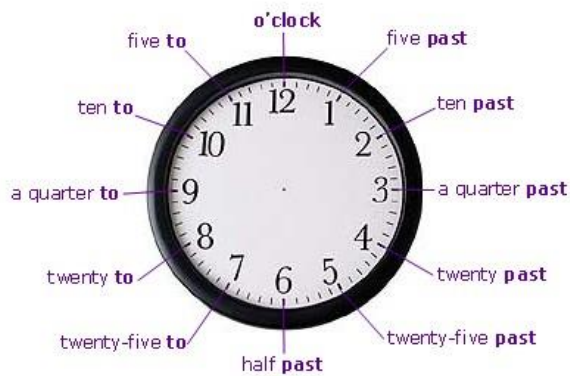
<https://www.topmarks.co.uk/maths-games/hit-the-button>

Telling the time

Children need to be able to tell the time (both analogue and digital).



Regularly ask your child the time and give them the responsibility for watching the clock, e.g when placing the cake in the oven, using a timer etc.



Discuss time with your child. Ensure they know what time they wake up, school starts, lunchtime etc.

Online games to aid with telling the time:

<https://www.topmarks.co.uk/time/teaching-clock>

Decimals and Fractions

Children in Year 6 should be able to find decimal equivalents of fractions.

$\frac{1}{2} = 0.5$	$\frac{1}{10} = 0.1$	$\frac{1}{100} = 0.01$
$\frac{1}{4} = 0.25$	$\frac{2}{10} = 0.2$	$\frac{7}{100} = 0.07$
$\frac{3}{4} = 0.75$	$\frac{5}{10} = 0.5$	$\frac{21}{100} = 0.21$
	$\frac{6}{10} = 0.6$	$\frac{75}{100} = 0.75$
	$\frac{9}{10} = 0.9$	$\frac{99}{100} = 0.99$

How many tenths are in 0.8?

Write 0.75 as a fraction?

How can I write 0.9 as a fraction? How else?

Children can create their own card games using fractions and decimals and play snap.

Online games to aid with decimals and fractions:

<https://claritymaths.uk/games/memory/fractions-decimals-percentages.html>

<https://www.topmarks.co.uk/maths-games/7-11-years/fractions-and-decimals>

Decimal number bonds to 1 and 10

Children in Year 6 should be able to recall decimal number bonds to 10.

Examples:

$$0.8 + 0.2 = 1$$

$$0.73 + 0.27 = 1$$

$$0.35 + 0.65 = 1$$

$$0.12 + 0.88 = 1$$

$$0.94 + 0.06 = 1$$

$$5.5 + 4.5 = 10$$

$$3.25 + 6.75 = 10$$

$$8.75 + 1.25 = 10$$

$$2.13 + 7.87 = 10$$

$$6.66 + 3.34 = 10$$

What can I add to 0.7 to make 1?

What is the difference between 1 and 0.75?

What can I add to 6.5 to make 10?

What is the difference between 10 and 7.8?

How many more than 7.3 is 10?

Online games to aid with decimals and fractions:

https://www.mathplayground.com/number_bonds_decimals.html

<https://www.studyzone.tv/game274-code0677c4940c4306a3a90514b2246a093f>

Multiplication & Division

Children in Year 6 should be able to recall their multiplication and division facts for **all** times tables up to 12×12 . Encourage children to use TTRockstars.

Examples:

If I know that $7 \times 9 = 63$, then I know that $63 \div 7 = 9$ and I know that $63 \div 9 = 7$.

Can I work out 0.7×9 ? What about 7×90 ?

Encourage children to make up their own times table rhymes.

'I ate and I ate and got sick on the floor, 8 times 8 is 64'

'I drank and I drank and I needed to wee, 7 times 9 is 63'

Own multiplication rhyme:

Online games to aid with multiplication and division:

<https://trockstars.com/>

<https://www.topmarks.co.uk/maths-games/hit-the-button>

Metric conversions

Children in Year 6 should be able to instantly recall the following facts:

1 kilogram = 1000 grams

1 kilometre = 1000 metres

1 metre = 100 centimetres

1 metre = 1000 millimetres

1 centimetre = 10 millimetres

1 litre = 1000 millilitres

Cooking and baking at home are a great way for children to use weighing scales and measure out ingredients. When baking ask them what 700g would be in kg?

If this recipe makes 12 what would we do to make 24?

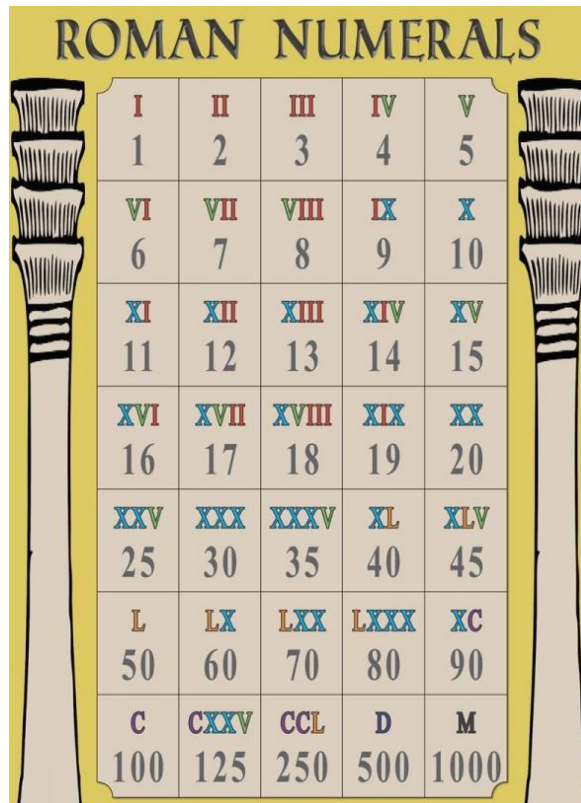
Online games to aid with metric conversions:

<http://www.sheppardsoftware.com/mathgames/measurement/MeasurementMeters.htm>

<https://uk.ixl.com/math/year-6/choose-the-appropriate-metric-unit-of-measure>

Roman Numerals

Children in Year 6 should be able to read and write Roman Numerals



ROMAN NUMERALS				
I	II	III	IV	V
1	2	3	4	5
VI	VII	VIII	IX	X
6	7	8	9	10
XI	XII	XIII	XIV	XV
11	12	13	14	15
XVI	XVII	XVIII	XIX	XX
16	17	18	19	20
XXV	XXX	XXXV	XL	XLV
25	30	35	40	45
L	LX	LXX	LXXX	XC
50	60	70	80	90
C	CXXV	CCL	D	M
100	125	250	500	1000

Where have they seen Roman Numerals outside of school?

Can they write their date of birth using roman numerals?

Online games to aid with roman numerals:

<https://www.roman-numerals.org/games.html>

Date	Comment	Signature

Date	Comment	Signature

Date	Comment	Signature

Date	Comment	Signature

Date	Comment	Signature

Date	Comment	Signature

