# **Bishopton Primary School**



# Parents as Partners Help your child with Numeracy and Mathematics Second Level



"Making Maths Count"

Dear Parents,

We hope you find this information helpful. It is designed to provide you with ideas for supporting numeracy and mathematics at home through practical and fun activities. It also contains illustrated examples of written methods of calculations. By working together we can enhance confidence and fluency in numeracy and raise your child's attainment in mathematics.

Maths is fun!

#### When supporting numeracy at home

- Use opportunities to learn in the real world
- Embrace mistakes and talk about how your child solved the problem
- Praise effort
- Play games and solve puzzles together

## Number

Counting, Ordering, Reading and Writing

Your child will experience a range of activities in learning numbers up to 100,000 and to 1,000,000 by Primary 7.

- Counting aloud forwards and backwards (starting at any number)
- 2. Practise of times tables
- 3. Count on and back in 2's ,5's, 10's and 100's
- 4. Discuss odd and even numbers
- 5. Say the number before, after and between numbers to 7 digits
- 6. Recognise numbers in numerals and words
- 7. Order written numbers up to 7 digits
- 8. Understand that 462 is 400 + 60 + 2

- 9. Work with decimals to 1 and 2 places and later to 3 places e.g. 2.1, 5.09, 10.465
- 10. Learning about negative numbers in the context of temperatures
- 11. Work with fractions, equivalent fractions, percentages and decimals

# Place Value – the value of where a digit is in a number

Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Units	Decimal point	Tenths	Hundredths	Thousandths
2	4	7	9	3	1	8	•	6	0	5

#### 2,479,318.605

Two million, four hundred and seventy nine thousand, three hundred and eighteen point six, zero, five

# Addition

Your child will be adding numbers mentally including decimal numbers with more than one digit after the decimal point

- + single digit number to 2 or 3 digit numbers
- Add 2 digit numbers to 2 digit numbers
- Bond 3 digit numbers within 1000
- 4.73 + 7.16
- addition involving monetary amounts
- £8.30 + £4.60 = £ 12.90
- addition involving measurements
   0.6kg + 3.7kg = 4.3kg

#### **Discussion Points:**

- When we add 0 the number stays the same e.g 10,670 + 0 = 10,670
- Understand that 220 + 140 = 360 is the same as 140 + 220 = 360
- The decimal points must line up in written calculations e.g.

#### Key Words for addition:

add, and, plus, more, makes, equals, increase, sum, total, altogether, how many more to make, combined, both, join

#### Examples of Numeracy Activities

- Look at a receipt from a recent shopping trip. Try adding some of the items together.
- Look at a receipt from a recent shopping trip. Try subtracting the price of some items from the total.
- Give yourself a budget e.g. £20.00. Look up an item in a catalogue/leaflet and subtract it from your budget.
- Play with dice and multiply the numbers together
- Play games on websites e.g. woodlands maths
- Look at telephone numbers and add/subtract them
- Read news reports about attendance at events e.g. at a football match there were 33,098 people

# Adding without 'carrying'

# Example 1

1.	Begin at the units column. Add together the 3 units and the 5 units. Write 8 in the units column.	4 0 3 +1 9 5 8
2.	Go to the tens column. O tens add on 9 tens equals 9 tens. Write 9 in the tens column.	H TU 4 0 3 <u>+ 1 9 5</u> <u>9 8</u>
3.	Next go to the hundreds column. 4 hundreds add 1 hundred is 5.	H TU 4 0 3 <u>+ 1 9 5</u> 5 9 8

# Adding with 'carrying'

'Carrying' is used in addition when the digits in the column add to more than 9 and the full HTU number cannot be written in the column. 346

#### Example 1

1.	Begin at the units column. Add togethe	er		
	the 6 units and the 8 units which		т	
	equals 14 units. Write 4 in the units	• •	Т	-
	column and carry ten units.	-	•	6
	This is shown by a small 1 'carried'	+	2	<u>1 8</u>
	next to the 8. Go to the tens column.			4

4 tens add on 2 tens equals 6 tens.					
Add the carried ten (which is shown as the					
small 1) to the 6 tens. There	Н	Т	U		
are 7 tens altogether. Write 7 in	3	4	6		
the tens column.	+	2	<u>18</u>		
		7	4		

3. Next go to the hundreds column.			
3 hundreds add zero hundreds is 3			
hundreds. Write 3 in the	Н	Т	U
hundreds column. The answer is	3	4	6
374.	+	2	<u>1</u> 8

<u>8</u> 4 3 7

+ 28

#### Example 3 with carrying

Begin at the units column.

next to the 9

- 2 units add 9 units is 11 units.
   Write 1 in the units column and carry ten units. This is shown by a small 1 'carried'
- Tth H T U 4 8 5 2 <u>+ 2 6 7 19</u> <u>1</u>

- Next go to the tens column.
   5 tens add 7 tens is 12 tens.
   Add on the carried 1 (ten) equals 13 tens.
- Write 3 in the tens column and carry 10 tens. This is shown by a small 1 'carried' next to the 7.

Then go to the hundreds column.

T	th	Н	Т	U
	4	8	5	2
+	2	6	<u>1</u> 7	<u>19</u>
			3	1

- 8 hundreds add 6 hundreds is 14 hundreds. Add on the carried 1 (hundred) equals 15 hundreds. Write 5 in the hundreds column and carry 10 hundreds. This is shown by a small 1 'carried' next to the 6.
- Finally, go to the thousands column 4 thousands add 2 thousands is 6 thousands. Add on the carried 1 (thousand) equals 7 thousands.

T٠	th	Н	Т	U
	4	8	5	2
+	2	<u>1</u> 6	<u>1</u> 7	<u>19</u>
		5	3	1

4 8 5 2	2
+ 2 16171	9
7 5 3	1

The answer is 7531.

#### Addition with 2 Decimal Places

		12.35
The decimal points must	+	3.44
line up.		15.79

#### Subtraction

#### **Discussion Points:**

- When we subtract 0 the number stays the same e.g. 864 0 = 864
- We EXCHANGE we do not borrow or pay back
- Talk about numbers before and after e.g. 3056 is before 3057, 7741 is after 7740
- The number before is the same as taking one away e.g. the number before 6983 is 6982,

#### Key words for Subtraction:

Subtract, take away, minus, smaller than, less than, decrease, difference between, leave, how many left over, how many fewer than, how much less than, reduce, remain

Subtraction	
Example 1	4 7 <u>- 2 3</u>
No Exchanging	
<ol> <li>Begin at the units column. 7 units take away 3 units. Write 4 in the units column</li> </ol>	T U 4 7 <u>- 2 3</u> 4
<ol> <li>Go to the tens column</li> <li>4 tens take away 2 tens, equals 2 tens. Write 2 in the tens column.</li> </ol>	T U 4 7 <u>- 2 3</u> <u>2 4</u>

The answer is 24.

# Example 2

## Exchanging

- 1. Begin at the units column. 3HTUunits take away 6 I can't do<br/>because I don't have enough.55103
- Go to the tens column. There are no tens to exchange so you must go the hundreds column.
- 3. EXCHANGE one of the 6 hundreds for 10 tens. Score out the 6 and write a small 5 above the hundreds. Put the 1 representing 10 tens in front of the 0.
- 4. Go back to the units column. 3 units take away 6 units I can't do.

-	1	7	6
	Н	т	U
		~	
	6	10 <sup>9</sup> 7	<sup>1</sup> 3
	1	7	6

<ul> <li>5. Exchange one of the 10 tens for 10 units. Score out the 10 and write 9 in the tens column. Put the 1 representing 10 units in the units column.</li> <li>13 units take away 6 units leaves 7 Units write 7 in the units column</li> </ul>	H T U 56 <sup>1</sup> 0 <sup>9</sup> <sup>1</sup> 3 <u>- 1 7 6</u> 7 7
<ol> <li>Move to the tens column.</li> <li>9 tens take away 7 tens leaves 2 tens.</li> <li>Write 2 in the tens column.</li> </ol>	H T U $5 6 10^9 13$ - 1 7 6 2 7
<ul> <li>7. Now move to the hundreds column. 5 hundreds take away 1 hundred leaves 4 hundreds.</li> <li>Write 4 in the hundreds column.</li> <li>The answer is 427.</li> </ul>	H T U $56^{10^{9}13}$ - $\frac{1}{4^{7}6}$

Subtraction with 2 decimal	11.8 5
places.	3.44
The decimal point must line up.	8.4 1

# **Multiplication**

Children should continue to frequently practise times tables for fluency.

# Example 1

Withd	out Carrying	T U 3 2
1.	Start at the units column 3 times 2 is 6 units. Write 6 in the units column.	<u>X 3</u> 6
2.	Next, multiply the tens. 3 times 3 tens is 9 tens. Write 9 in the tens column. The answer is 9 tens and 6 units or 96.	T U 3 2 <u>X 3</u> 9 6

# Example 2

With carrying 265 X 3

		HT U
1.	Start at the units column. Three	265
	times 5 is 15. Write the 5 in the units and carry the ten (1)	<u>X 13</u> 5
2.	Next go to the tens column. Three times 6 (tens) is 18 (tens) and add on the 1 (ten) equals 19 (tens). Write the 9 in the tens column and carry the ten (1)	
3.	Then go to the hundreds	нтυ
	column. Three times 2 is 6	265

	200
(tens) and add on the <mark>1</mark> (ten)	<u>X 1 1 3</u>
equals 7 (tens).	
The answer is 795.	<u>795</u>

#### Key Words for multiplication

multiply, multiplied by, multiplication times, lots of, groups of, product, three times, four times, ten times etc.

Multiply whole numbers mentally by 10, 100 and 1000.

 Multiplying by 10 23 X 10 = To multiply by 10 we move each digit one place to the left. Put a zero in the units place.

H T U 2 3 X 10 = 2 3 0

 Multiplying by 100 230 X 100 = To multiply by 100 we move each digit two places to the left. Put a zero in the units place and the tens place.

Tth Th H T U 2 3 0 X 100 = 2 3 0 0 0 3. Multiplying by 1000 604 X 1000 To multiply by 1000 we move each digit three places to the left. Put a zero in the units place, the tens place and the hundreds place.

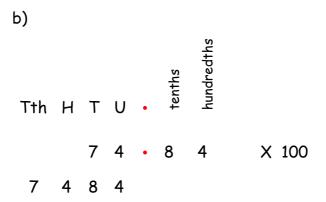
Hth Tth Th H T U 6 0 4 X 1000

= 6 0 4 0 0 0

- 4. Multiplying a decimal number 34.54 X 10 To multiply a decimal number we move each digit one place to the left. (The decimal point does not move)
  - a)

Н	т	U	•	tenths	hundredths	
	3	4	•	5	4	X 10
= 3	4	5	•	4		

(You don't need to add a zero in the hundredths column.)



(As the answer is a whole number you don't need to add a zeros in the tenths and hundredths column.)

c)

=

hundredths tenths Hth Tth H T U 9 X 1000 4 0 0 4 0 0 9 0

(As the answer is a whole number you don't need to add a zeros in the tenths and hundredths column but you need to show the zero units.

# Division

Divide whole numbers mentally by 10, 100 and 1000.

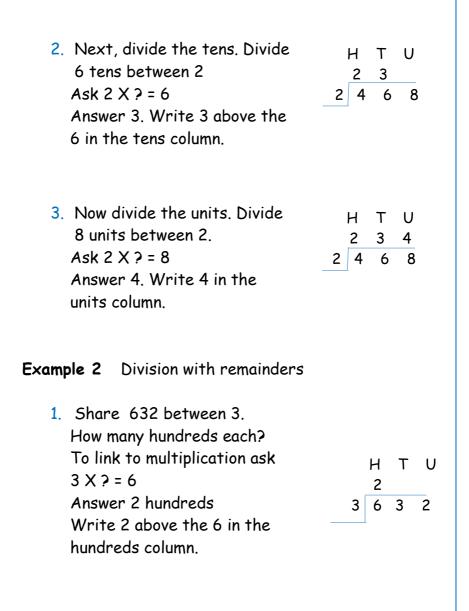
1. Dividing by 10  $460 \div 10 =$ To divide by 10 we move each digit one place to the right. HTU 4 6 0 ÷ 10 = 4 6 2. Dividing by 100 8000 X 100 = To divide by 100 we move each digit two places to the right. ThHTU 8 0 0 0 ÷ 100 8 0 = 3. Dividing by 1000 31,000 ÷ 1000 To divide by 1000 we move each digit three places to the right. Tth Th H T U 3 1 0 0 0 ÷ 1000 3 1 =

4. Dividing a decimal number 273.1 ÷ 10 To divide a decimal number by 10 we move each digit one place to the right. (The decimal point does not move) hundredths tenths ΗΤυ 273 • 1 ÷ 10 = 27. 3 1

**Example 1** Dividing without remainders Start each calculation with the hundreds first Share 468 apples between 2 boxes

ΤU Н 1 Share 4 hundreds between 2 2 2 4 6 How many hundreds each. Link to multiplication, ask 2X? = 4Answer 2 hundreds. Write the 2 above the 4 in the hundreds column.

8



- 2. Next, divide the 3 tens between 3. Ask 3 X ? = 3 Answer 1 Write 1 above the 3 in the tens column.
  4. T U 2 1 3 6 3 2
- Next, ask if the 2 units can be divided by 3. The answer is NO so write a zero above the 2. The remainder is 2 and is written as r 2. So 632 ÷ 3 = 210 r 2

H T U 2 1 0 r 2 3 6 3 2

HTU

9

#### Example 3

Divide 569 between 4
 Share 5 hundreds between 4
 4 equals 1 hundred with 1
 hundred remainder. Write 1
 above the 5 hundreds. Write
 a small 1 representing 10 tens next to the
 6 tens.

 Share 16 tens between 4 equals 4.

Write 4 in the tens column.

 Now share 9 units between 4 equals 2 units with 1 unit remainder.

Write 2 in the units column and remainder 1 beside it.



#### Key Words

Divide, divided, split, share, shared, how many times, each, equal pieces

# Money

## **Discussion Points**

- Practise money calculations involving addition, subtraction, multiplication and division
- Develop understanding of having a budget and comparing costs to determine affordability of goods
- Understand and use the terms profit and loss in activities
- Use coins and notes to make amounts up to £20
- Look at offers in shops: money off vouchers, buy one get one free, 3 for 2 offers, discount, interest rates and exchange rates in shops and banks

# Money Examples

The decimal points must line up. Remember to include the  $\pounds$  sign in the answer.

#### Addition & Subtraction

	9
£ 7.05	£ 1 <sup>7</sup> 8. <sup>1</sup> 0 <sup>1</sup> 3
<u>+£ 3.1917</u>	$f_{\pm}$ 1 <sup>7</sup> 8. <sup>1</sup> 0 <sup>1</sup> 3 - $f_{\pm}$ 1 0. 6 5
£11.02	£ 7.38

٥

£	2	<sup>1</sup> 0 <sup>9</sup>	<sup>1</sup> 0 <sup>9</sup>	<b>1</b> 0
£		7	9	8
£	1	2	0	2

#### **Multiplication & Division**

£	2.36		£3.12
<u>X</u>	<u>1 13</u>	3	£9.36
	7.08		

#### Key Vocabulary

money, coin, penny, pence, pound, price, cost, buy, sell, spend, spent, pay, change, costs more, costs less, cheaper, how much, how many, total, save, budget, profit & loss, cash, afford

# Order of Calculations (BODMAS or BOMDAS)

The BODMAS rule tells us which operations should be done first.

- B brackets
- **O** operations
- D divide
- M multiply
- A add
- S subtract

# Examples

- 1. 4 + 3 X 8 = Is it 7 X 8 = 56 or 4 + 24 = 28? Correct answer is 28
- 2. 10 8 ÷ 2 (divide first) = 10 - 4 = 6
- 3. (4 + 5) X 6 (brackets first) = 9 X 6 = 54

4. 12 + 6 ÷ (4 - 2) =12 + 6 ÷ 2 =12 + 3 =15

(brackets first) (then divide) (now add)

#### Fractions

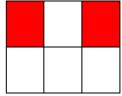
#### **Understanding Fractions:**

- A fraction is a part of a whole
- The top of the fraction is called the numerator and is the number of parts of the whole you are dealing with.
- The bottom of the fraction is called the denominator and is the number of parts the whole has been divided into.

2 Numerator

6 🔶 Denominator

The chocolate bar has been divided into 6 pieces, therefore the denominator is 6. 2 pieces are shaded, which means the numerator is 2. So  $\frac{2}{6}$  of the chocolate bar is shaded.



# **Equivalent Fractions**

It could also be said that  $\frac{1}{3}$  of the chocolate bar is shaded.

 $\frac{2}{6}$  and  $\frac{1}{3}$  are equivalent fractions.

Equivalent fractions look different but show the same amount.

Examples:

 $\frac{1}{2} = \frac{2}{4} = \frac{3}{6} = \frac{4}{8} \qquad \qquad \frac{1}{3} = \frac{2}{6} = \frac{3}{9} = \frac{4}{12}$ 

Equivalent fractions are made by multiplying or dividing the numerator and denominator by the same number.

#### **Simplifying Fractions**

To simplify a fraction, divide the numerator and denominator of the fraction by the same number.

Example  $\frac{15}{25}$  divide top and bottom by 3 =  $\frac{3}{5}$  $\frac{12}{36}$  divide top and bottom by 12 =  $\frac{1}{3}$ 

This can be done repeatedly until the numerator and denominator are the smallest possible numbers - the fraction is in its **simplest form**.

# Fractions of a Quantity

To find the fraction of a quantity, divide by the denominator and multiply by the numerator.

#### Example:

Find $\frac{1}{6}$ of £ 36	Find $\frac{2}{3}$ of £27
= £36 ÷ 6 = 6	= £ 27 ÷ 3
= £6	= £9
	= 2 X £9
	= £18

## **Improper Fractions and Mixed Fractions**

 $\frac{7}{3}$  is an improper fraction because the numerator is bigger than the denominator. It means 7 thirds. If this was a pizza, seven thirds is more than 2 whole pizzas. It is 2  $\frac{1}{2}$  pizzas.

To convert an improper fraction into a mixed number:

- 1. Divide the numerator by the denominator.
- 2. Write down the whole number answer.
- 3. Then write down any remainder above the denominator.

 $\frac{7}{3}$  7 ÷ 3 = 2 remainder 1 this is written as  $2\frac{1}{3}$ 

 $3\frac{2}{5}$  is a mixed number because it is a whole number and a fraction together.

To convert a mixed number to an improper fraction:

- 1. Multiply the whole number part by the fraction's denominator.
- 2. Add that to the numerator.
- 3. Then write the result on top of the denominator.

Eg.  $3\frac{2}{5}$ 1.  $5 \times 3 = 15$  2. 15 + 2 = 17 3.  $\frac{17}{5}$ 

#### Percentages

Percent means out of 100. 50% means  $\frac{50}{100}$ A percentage can be converted to a fraction or a decimal by dividing by 100. Example: 75% =  $\frac{75}{100}$  =  $\frac{3}{4}$ = 0.75

There are different ways to calculate the percentage of a quantity

**Example 1:** Find 25% of £ 60 25% of £ 60 =  $\frac{1}{4}$  of £ 60 = £ 60 ÷ 4 = £ 15

# Common Percentages

Percentage	Fraction	Decimal
1%	$\frac{1}{100}$	0.01
10%	$\frac{1}{10}$	0.1
20%	$\frac{1}{5}$	0.2
25%	$\frac{1}{4}$	0.25
50%	$\frac{1}{2}$	0.5
75%	$\frac{\overline{3}}{4}$	0.75

# **Rounding Numbers**

Rounding a number means making it **simpler** but keeping its value close to what it was. Numbers can be rounded to give an approximation.

How to round a number:

- Decide which is the last digit to keep
- Check the next digit to the right if the number ends in 4 or below then Round Down (leave the digit as it is) If the number is 5 or more then Round Up by one

#### Examples

1753 rounded to the nearest 10 is 17501753 rounded to the nearest 100 is 18001753 rounded to the nearest 1000 is 2000

# **Rounding Decimal Numbers**

The same principles apply to rounding decimal numbers.

#### Example

2.36 rounded to the nearest tenth is 2.4

# Examples

 Round 24.8 to a whole number Look at the number in the tenths position, if it is 5 or above then round the number up by one. If it is 4 or less then keep the whole number as it is.

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So 24.8 rounded is 25
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 Round 320.62 to one decimal place
 If the digit in the hundredths position is 5 or more then round up by one. If the digit in the hundredths position is 4 or less then round down (leave the digit as it is).

*So 320.62 rounded to 1 decimal place is 320.6* 

3. Round 6.787 to two decimal places.

If the digit in the thousandths position is 5 or more then round up by one.

If the digit in the thousandths position is 4 or less then round down (leave the digit as it is).

So 6.787 rounded to 2 decimal places is 6.79

Remember to remove the extra numbers in the other decimal places after you have rounded.

# Mental Maths /Number Talk Strategies

Addition Place Value - Partitioning Adding Up in Chunks/Counting Making Tens/Bridging through Reordering On 10 116 + 127 25 + 26 + 75 37 + 48 49 + 38 100 + 100= 200  $\frac{1}{1}$ 10 + 20 = 30 37 • 48 6 + 7 = 13 100 + 26 = 12650 + 37= 87 200+30+13=243 Doubles/Near Doubles Bridging through 60 Compensation Friendly Numbers 67 + 28 16 + 17 28+47 ~ +2 +2 -2 16 1 30 + 45= 75 / How many minutes is it to the 16 + 16= 32 hext hour? 67 + 30 = 97 32 + 1 = 33 97-2 = 95 C 10:36 10:40 11:00 11:15

34

Subtraction						
$\frac{\text{Removal or Counting Back}}{123 - 69}$ $123 - (20+40+3+6)$ $123 - 20 = 103$ $103 - 40 = 63$ $63 - 3 = 60$ $60 - 6 = 54$	$\frac{25 \cdot 6 \cdot 5}{20 \cdot 6}$	Place Value - Partitioning           367 - 154           367 - 100 = 267           267 - 50 = 217           217 - 4 = 213           367 - 100 - 50 - 4 = 213	Adding Up/Bridging through 10 23 - 16 16 + 4 = 20 20 + 3 = 23 7 +4 16 16 20 23			
$\frac{P ace Value + Negative Numbers}{399 - 254}$ $(300+90+9) - (200+50+9)$ $300 + 90 + 9$ $- \frac{200 + 50 + 4}{100 + 40 + 5}$ $= 145$	Adjusting for Easier Numbers 123-59 +1 123 - 60 = 63 63 + 1 = 64	Keep a Constant Difference <b>151 - 98</b> (151 + 2) - (98+2) 153 - 100 = 53 151 - 98 = 53				

#### Multiplication & Division

Friendly Numbers	Repeated Addition	Partial Products	Doubling and Halving	
9 × 15 10 × 15 = 150 150 - 15 = 135 Don't forget to 'undo' your change!	<b>6</b> × 15 15+15+15+15+15+15 15 + 15 = 30 30 + 15 = 45 45 + 15 = 60 60 + 15 = 75 75 + 15 = 90	6 × 125 6 × (100 + 20 + 5) (6×100) + (6×20) + (6×5) 600 + 120 + 30 = 750	24 × 8 ×2 ÷2 48 × 4 ×2 ÷2 96 × 2 ×2 ÷2 192	
Breaking Factors into Smaller Factors 12 × 25 $2 \times 6$ $2 \times 25 = 50$ $50 \times 6 = 300$	Grid Method 35×7 × 30 5 7 210 35 210 + 35 = 245	Partial Quotients 36 B 10 16 550 -150 (10 x 15) 400 -300 (20 x 15) 100 -30 (2 x 18) 70 -60 (4 x 15) 10	<u>Multiplying Up</u> <b>72 ÷ 8</b> $8 \times 5 = 40$ $8 \times \frac{4}{2} = 32$ $(5 + \frac{4}{9}) = (40 + 32)$ $8 \times \frac{9}{2} = 72$	
Repeated Subtraction $24 \div 6$ $24 - 6 - 6 - 6 - 6$ $6 \times 4 = 24$ SO $24 \div 6 = 4$				

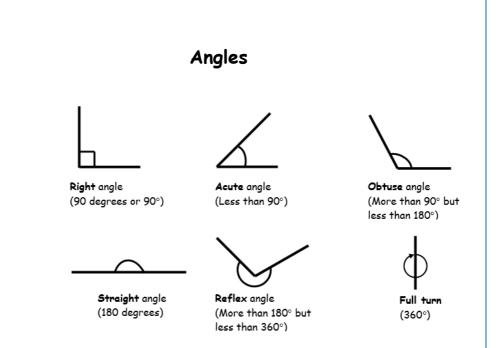
#### Solving Equations

An equation is an expression which contains an equal sign. There are various ways to solve equations.

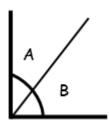
#### 1. Cover Up method

Cover up the letter with your finger. Look at the equation to see what number should be under your finger to make both sides equal.

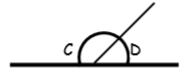
$$x + 9 = 12 3m + 4 = 10+ 9 = 12 (3m means 3 X m)x = 3 + 4 = 103m = 6m = 2$$



**Complementary Angles**: When 2 angles fit together to make a right angle they are called complementary.



Supplementary Angles: When 2 angles fit together to make a straight angle they are called supplementary.



Angles in Shapes Angles in a triangle all add up to 180° Angles in a quadrilateral (4 sides) add up to 360°.



5 pm

Analogue



Digital

17:00

# **Discussion** Points

- children will practise reading, recording and converting between time in both analogue and digital clocks and 12hour and 24hour notation and words
- read and interpret minutes to and from the hour e.g. 2.55am or 4.20pm
- Use and interpret timetables and calendars to plan activities and events
- Calculate the duration of events including bridging across hours and parts of hours
- Use knowledge of time, distance and speed to estimate how long a journey should take.

#### 12 hour notation

 When writing 12 hour time we need to include either a.m. or p.m. after the time (a.m. - ante meridiem, anytime in the morning between midnight and 12 noon) (p.m. - post meridiem, anytime in the afternoon or evening between 12 noon and midnight)

#### 24 hour notation

- when writing 24 hour time the hours are written as numbers between 00 00 and 24 00
- after 12 noon hours are numbered 13, 14, 15 etc. 2.45pm = 14 45

To calculate time intervals we can use the counting on method

# Example 1

How long is it from 6.35pm to 8pm?

to nearest hour hours 6.35pm 7pm 7pm 8pm 25 mins + 1hr Answer: 1hr and 25mins

# Example 2

A film started at 14:10 and lasted for 3 hours and 15mins. When did it finish?

#### Key Vocabulary

before, after, during, morning, afternoon, midday, noon, night, today, evening, yesterday, tomorrow, day, sunset, sunrise, future, past, present, then, now, when, early, late, soon, days, weeks, months, years, midnight, time, clock, hours, minutes, seconds, o'clock, a.m., p.m., centuries, decades, seasons, how many days in week, fortnight, month, year, analogue, digital, first, next

#### Measurement

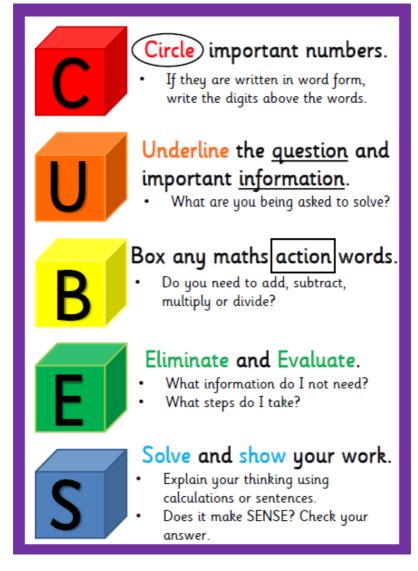
• Children will learn to convert between common units of measurement

Length		Length
	▲	
1 centimetre	is equivalent to	10 millimetres
(cm)		(mm)
1 metre	is equivalent to	100 centimetres
(m)		(cm)
1 kilometre	is equivalent to	1000 metres
(km)		(m)

Weight	→ →	Weight
1 gram (g)	is equivalent to	1000 milligrams (mg)
1 kilogram (kg)	is equivalent to	1000 grams (g)

Volume	<b>→</b>	Volume
1 litre (I)	is equivalent to	1000 millilitres (ml)

# **Problem Solving Strategies**



\*Remember to write your answer to the question

# **Useful Websites**

- <u>http://www.primarygames.com/</u>
- https://www.sumdog.com/city
- <u>https://www.topmarks.co.uk/maths-games/</u>
- <u>http://www.primaryhomeworkhelp.co</u> <u>.uk/maths/</u>