P7 – Within the area of 'Number' by the end of P7 a child of average ability, should be able to, know, understand and use*:

TI NI N					
<u>Using Numbers</u>	Example pupil may be given				
(Place Value and	Digit – used to refer to the individual numbers, e.g. the				
<u>Decimals)</u>	digits 2,3,and 4 make up the number two hundred and				
	thirty four (234)				
Recognise, read and	Read a number from digits to words, e.g. 325,647.65 –three				
write numbers	hundred and twenty five thousand, six hundred and forty				
beyond 99,999,	seven and sixty five hundredths				
including 2 and then					
3 decimal places					
Recognise that the	In 7,82 <u>3</u> ,548 the '3' is worth 3000				
position of a digit					
indicates its value					
Order a set of	Write these numbers in order, starting with the smallest				
(increasing and	23,254.21, 23,205.01 and 23,054.12				
decreasing) numbers					
with up to three					
decimal places					
Round numbers	Round 672 to the nearest $10 = 670$				
within 99 999 to the	Round 6524 to the nearest 100 = 6500				
nearest 10 000, 1000,	Round 26,742 to the nearest 1000 = 27,000				
100 and 10.					
Approximate and	Round 672.35 to the nearest $10 = 670$				
round numbers with	Round 672.35 to the nearest tenth = 672.40				
up to 3 decimal	Round 672.356 to the nearest hundredth = 672.36				
places to nearest	Roma 0, 2.050 to the nearest minutes can 0, 2.00				
whole, 1 or 2 decimal					
places					
Estimate & calculate	A bag costing £24, is reduced by 25% in a sale. How much				
percentage increase	is the bag now?				
or decrease in price,	is the oug now.				
using written method	Convert percentage to fraction: 25%=1/4				
and calculator	Find fraction of total: £24 \div 4 = £6				
and calculator	Subtract this From Original Price: £24-£6 = £18				
	Ans: £18				
Mentally calculate	Find 30% of 140 as				
multiples of 10% of	$(10\% \text{ of } 140) \times 3 =$				
_	· ·				
quantities	$14 \times 3 = 42$				

Mentally calculate	Find 18% o	f 300 as					
%s of multiples and	18% 100 = 18, so						
factors of 100	$18 \times 3 = 54$						
Relate 2 decimal place numbers to hundredths, and three decimal place (d.p.) numbers to thousandths.	32		= 0.3	2			
Mentally find what	23.6 + ?? =	: 24					
	Ans: 0.4	21					
	34.65 + ??	= 35					
the next whole	Ans: 0.35						
number							
Know number	23.75, 23.76,, 23.78						
before, between and	30.128, 30.						
after 2, then 3	65.97, 65.98, 65.99,						
decimal place numbers							
Mentally multiply or	_						_
divide any number			ı	_			
with up to 3 decimal	н	Т	ones	$\frac{1}{10}$	_1_	_1_	
places by 10 or 100.		•	ones.	10	100	1000	
		_	_				
		4	2.	. 8			
				÷100			
		V		4	2	8	
			クし	<u>^</u>	_	ŭ	

W:\Central Resource Library\Numeracy\overview for parents\p7 overview for parents ruth and julie.docx
*NB: This does not include everything children will cover, but is meant to provide parents with a concise overview of suggested activities for pupils and parents

P7 – Within the area of 'Number' by the end of P7 a child of average ability, should be able to, know, understand and use*:

Fractions	Example pupil may be given	written method and		Convert percentage to fraction: 25%=1/4	
Mentally find simple	Work out $\frac{2}{3}$ of 15	calculator		Find fraction of total: £24 \div 4 = £6	
fractions of quantities	113.11.33 3 11.23			Subtract this From Original Price: £24-£6 = £18	
using known division and	MACO 15000 TES	26 . 11 . 1 . 1 .		Ans: £18	
multiplication facts	15-3 = 5	Mentally calculate		Find 30% of 140 as	
	C . 2 - 1()	multiples of 10% of quantities		$(10\% \text{ of } 140) \times 3 = 14 \times 3 = 42$	
	5 × 2 = 10	quantities		14 x 3 = 42	
Add and subtract fractions	5 (1) 15 20	Mentally calculate %	s of	Find 18% of 300 as	
and mixed numbers with	2 1	multiples and factors		18% 100 = 18, so	
different denominators	$\frac{2}{5} + \frac{1}{2}$	100		$18 \times 3 = 54$	
using knowledge of	a.				
equivalence.	4 5 10 10	Mentally find what m		23.6 + ?? = 24	
	10 10 10	be added to 1 d.p. nur		Ans: 0.4	
	175	to make the next who		34.65 + ?? = 35	
	10	number		Ans: 0.35	
		Financial Capability Discuss and assess Choose		ose the best deal to buy 6 pens @ 70p each:	
	1 1 1 2 + 1 2			r 2 (2.80 total)	
	$1\frac{1}{2} = \frac{1 \times 2 + 1}{2} = \frac{3}{2}$	choices when	_	e get a second at half price (£3.15 total)	
	2 2 2	shopping (e.g.	J		
		deciding whether			
		to choose "3 for			
	- 2 2 1 2 11	the price of 2" or			
	$2\frac{3}{4} = \frac{2 \times 4 + 3}{4} = \frac{11}{4}$	"buy one get a			
	<u>4</u> 4 4	second at half			
		price")			
	https://www.wikihow.com/Add-Mixed-Numbers	Understand the	Discuss	s with children how the budget is balanced at home.	
Mentally find what must	7/8 + ?? = 1	concept of earning,		ise the decision to buy 'X' instead of 'Y' because it is	
be added to a fraction to	Ans: 1/8	and managing		nanageable / economic / better deal, etc.	
make the next whole		spending through		as parents are comfortable sharing sensitive financial	
number.		budgeting.		ation, discuss how 'big' items of expenditure are possible,	
Percentages		Use understanding	e.g. sav	ving for a holiday.	
Estimate & calculate	A bag costing £24, is reduced by 25% in a sale. How	of different ways			
percentage increase or	much is the bag now?	of funding large			
decrease in price, using		purchases to			

W:\Central Resource Library\Numeracy\overview for parents\p7 overview for parents ruth and julie.docx
*NB: This does not include everything children will cover, but is meant to provide parents with a concise overview of suggested activities for pupils and parents

P7 – Within the area of 'Number' by the end of P7 a child of average ability, should be able to, know, understand and use*:

1 11		TT 1 . 1.1	J. Nam.				
decide on most cost effective		Understand the effect of the order	E	3	Brackets	10 × (4 + 2) = 10 × 6 = 60	
choice e.g. calculating total cost of a holiday		of operations, including using brackets in	C)	Order	5 + 22 = 5 + 4 = 9	
using different payment schemes.		calculations.)	Division	10 + 6 ÷ 2 = 10 + 3 = 13	
			N	1	Multiplication	10 - 4 × 2 = 10 - 8 = 2	
PROPERTIES OF				-			
Know, understand, and use square,	Square Numbers, e.g. find area of a 4cm square piece of paper		P	1	Addition	10 × 4 + 7 = 40 + 7 = 47	
cube and triangular numbers.	16 4^2 or $4 \times 4 = 16$		S	5	Subtraction	10 ÷ 2 - 3 = 5 - 3 = 2	
		Multiplication and	divisio	on			
		Find doubles of	Doul		196=	Half of 178=	
	25 5^2 or 5 x 5 = 25	any 3 digit number	Doul	ble I	100=200	Half of 100=50	
		and corresponding	Doub	ble 9	96=192	<i>Half of 78 = 39</i>	
	Cuba Numbers of find volume of 5cm cuba	halves	200 +192=392				
	Cube Numbers, e.g. find volume of 5cm cube		Partitioning				
	$5 \times 5 \times 5 = 125$	for multiplying and	6 x37 =				
	5 X 5 X 5 = 125	dividing	6x30		· -		
		Partitioning	6 x7				
	$so 5^3 = 125$	Doubling and			= 222		
		halving			ltiples of 10/100		
		Multiplying by	99 x3				
	Triangular Numbers (pictorial only)	near multiples of			= 3400 - 34 = 3366		
		10 and 100-Eg			g and halving		
		99,101,49	15 x				
		Use factors to	30 x		210		
		multiply	Facto				
			18 x	_			
	1 3 6 10 15		6 x 3				
Use negative	Temperature in Rasharkin at 8am:		6 x 6	9=	414		
numbers in	Tues 4°C, Wed -6.5°C						
calculations in	By how many degrees did the temperature change?						
everyday contexts.	by now many degrees and the temperature change?						
everyday contexts.							

W:\Central Resource Library\Numeracy\overview for parents\p7 overview for parents ruth and julie.docx
*NB: This does not include everything children will cover, but is meant to provide parents with a concise overview of suggested activities for pupils and parents

P7 – Within the area of 'Number' by the end of P7 a child of average ability, should be able to, know, understand and use*:

Written	21.35						
multiplication and	2 4	6.3 Multiply without decimals X2.9270.5 liftestandard multiplication					
division	X 8	the end					
Use standard		567					
written and		+ 1260					
calculator methods	170.80	+ 1200					
to multiply and		18.27					
divide numbers of		10.27					
any size by up to							
two digits,	Estimate = $21 \times 8 = 168$	Estimate = $6 \times 3 = 18$					
including decimals							
(long		0.000 101 40					
multiplication).		11,17					
Estimate before							
calculating.	10	1116					
Be able to express		44.00					
a remainder as a	M==						
whole number,	Think carefully about how you should express	s your remainder.					
decimal or fraction	a) 3212 football fans were asked to sit in 5 stands. How many people were in each						
depending on	stand? Was it possible to split them equally? 642 remainder 2, therefore 642 in 4 stands and 644 in one						
context.	b) There were 8 tanks of water at the ice-folly factory. The manager wanted to share						
	2164 litres equally between the tunks. How						
Solve a range of	St. 50	Liber Harris Harris Williams					
multiplication and	c) The pancake shop bought 2501kg of chocolate spread to share between its 4 stands at the festival. How much chocolate spread should be delivered to each stand to make it completely fair? 625 1/4 kg						
division problems							
using both written	625 1/4 Kg						
and mental	What is the mass of the ren						
methods.	balls altogether at the end of the game?						
		sausages per portion, how many portions can they serve?					
	 The cate has served 70 sices at chocolate cal many cakes did they cut up? 	ke today. If each whole cake was cut into & sices, how					
	 Exactly have many weeks are in 31 days? Write a fraction as part of your answer. 						
	 80 are traveling to an athletics event Each minibus will take 12 athletes. How many minibuses are needed? 						
Addition and subtra-	ction						
Mental addition	478+360						
and subtraction	400 +300= 700						
	70 + 60 = 130						

Mentally add or	700 +130 = 830 +8=838
subtract a 2 or 3	
digit multiple of 10	478-160=
to/from any 3 digit	400 -100=300
number	70-60=10
	8-0=8
	300+10+8=318
	Please note: Different mental strategies will be introduced to the
	children but they will decide which one they prefer to use. Some
	children also have different strategies than ones taught and that
TT7 144 3 3144	is acceptable.
Written addition	0.75 + 2.106 + 8.2
and subtraction	The second second
Use standard	0.750
written and	24:23
calculator methods	2.100
to add and subtract	2.200
numbers of any	,0
size including	11.056 2.33
decimal numbers	100 190
to 3 decimal	https://gggg.org.uk/looming.rosgurggs/holp.your.ghild
places.	https://ccea.org.uk/learning-resources/help-your-child-
piaces.	maths/improve-your-childs-maths-skills/help-your-child

Useful Links

Maths Dictionary

http://www.amathsdictionaryforkids.com/qr/qr.html

Helpful videos on a range of areas

https://corbettmathsprimary.com/content/

W:\Central Resource Library\Numeracy\overview for parents\p7 overview for parents ruth and julie.docx

*NB: This does not include everything children will cover, but is meant to provide parents with a concise overview of suggested activities for pupils and parents