## Daily mental/oral during this half-term to be a selection from the following:

## Year 5 and 6

Read and write whole numbers up to 100,000 Round whole numbers to the nearest 10, 100 (and Y6 1,000) Recall add/sub facts for each number up to 20 Recall x facts in x2, x3, x4, x5, x6, x10 tables

## Year 5

Begin to recall x facts in x7, x8, x9 tables Count on/back in equal steps (e.g. 25, 100) including beyond zero

## Year 5 and 6

Use doubling and halving. Doubles of whole numbers to 100 Add/subtract 2 two-digit (and Y6 three-digit) numbers crossing the 10 and 100 boundaries Derive addition pairs that total 100, multiples of 50 that total 1000 (and Y6, decimals that total 1, 10) Multiply and divide whole numbers up to 10,000 by 100

#### Year 6

Topic	Year 5 Objectives	Pages	Year 6 Objectives	Pages
Place value, ordering, rounding	Read and write whole numbers in figures and in words and know what each digit represents Multiply and divide any positive whole number up to 10,000 by 10 or 100 and understand the effect. Use the vocabulary of comparing and ordering numbers. Give one or more numbers lying between two others.	3 7 9	Multiply and divide decimals by 10 or 100 and integers by 10,000 and explain the effect	7
Using a calculator	Develop calculator skills and use a calculator effectively.	71	Develop calculator skills and use a calculator effectively	71
Activities and resources				
Plenaries				
Notes for next session of this topic				

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#### Year 6

Topic	Year 5 Objectives	Pages	Year 6 Objectives	Pages
Understanding x and division	Understand the effect of and relationships between the four operations and the principles of the arithmetic laws as they apply to multiplication.	53,55	Understand the effect of and relationships between the four operations and the principles of the arithmetic laws.	53,55
Activities and resources				
-				
Plenaries				
Notes for next session of this topic				

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#### Year 6

Topic	Year 5 Objectives	Pages	Year 6 Objectives	Pages
Mental calculation strategies	Use doubling or halving starting from known facts: double two-digit number, double first number, halve second to multiply, x25=x100 divide by 4, x16=x8 double, 1/6=half of 1/3	61	Use doubling or halving starting from known facts: double two-digit number, double first number, halve second to multiply, x25=x100 divide by 4, x16=x8 double, 1/6=half of 1/3	61
Activities and resources				
Plenaries				
Notes for next session of this topic				

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#### Year 6

Topic	Year 5 Objectives	Pages	Year 6 Objectives	Pages
Pencil and paper procedures	Approximate first. Use informal pencil and paper methods to support, record or explain x and division Extend written methods to HTU x U or U.t x U	67,69	Approximate first. Use informal pencil and paper methods to support, record or explain x and division Extend written methods to THTU x U and short multiplication involving decimals	67,69
Activities and resources				
Plenaries				
Notes for next session of this topic				

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## Year 5 and 6

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#### Year 6

Recall x facts in x7, x8, x9 tables Recall pairs of factors up to 100 Multiply mentally any two-digit number by single digit numbers Order a set of positive and negative numbers, order fractions Convert between km, m, cm, mm and vice versa

Know simple fractions as percentages and find simple percentages

Topic	Year 5 Objectives	Pages	Year 6 Objectives	Pages
Money and real life problems	Use all four operations to solve problems in 'real life'	83	Use all four operations to solve problems in 'real life'	83
Making decisions and checking results,	Choose and use appropriate operation and calculation method	75	Choose and use appropriate operation and calculation method	75
including using a calculator	Check by estimating. Use inverse operation.	73	Check by estimating. Use inverse operation.	73
Activities and resources				
Plenaries				
Notes for next session of this topic				

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#### Year 6

Topic	Year 5 Objectives	Pages	Year 6 Objectives	Pages
Fractions, decimals and percentages	Use fraction notation including mixed numbers and vocabulary numerator and denominator. Change an improper fraction to a mixed number. Recognise two simple fractions are equivalent, including tenths and hundredths.	23	Change an improper fraction to a mixed number and vice versa.	23
	Use decimal notation for tenths and hundredths, know what each digit represents in number with up to 2 decimal places.	29	Use decimal notation for tenths and hundredths in calculations and when recording measurements. Know what each digit represents. Give a decimal lying between two others e.g. 3.4 and 3.5	29
	Begin to understand percentage as the number of parts in every hundred.	33	Understand percentage as the number of parts in every hundred.	33
Ratio and proportion	Solve simple problems involving ratio (1 for every)	27	Solve simple problems involving ratio and proportion	27
Activities and resources				
Plenaries				
Notes for next session of this topic				

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#### Year 6

Topic	Year 5 Objectives	Pages	Year 6 Objectives	Pages
Handling data	Discuss the chance or likelihood of events.	113	Use vocabulary associated with probability including events with equally likely outcomes.	113
	Find mode of a set of data	117	Find mode and range. Begin to find median and mean of a set of data.	117
Using a calculator	Use a calculator effectively	71	Use a calculator effectively	71
Activities and resources				
Plenaries				
Notes for next session of this topic				

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#### Year 6

Topic	Year 5 Objectives	Pages	Year 6 Objectives	Pages
Assess and review	Consolidate objectives from this half term.		Consolidate objectives from this half term	
	Formal assessment of key objectives for record sheet: Know by heart all multiplication facts up to 100		Formal assessment of key objectives for record sheet; Know by heart all multiplication facts up to 100	
Activities and resources				
Notes for next sessions of these topics based on assessment results.				