

## SANDBROOK ARITHMETIC YEAR 1

NUMBERS + PLACE VALUE		ADDITION		SUBTRACTION		NUMBER BONDS	
ONE MORE (0-100)	ONE LESS (0-100)	ADD 1 DIGIT NUMBERS TO 20 (COUNTING ON)	SUBTRACT 1 DIGIT NUMBERS TO 20 (COUNTING BACK)	ADD 2 DIGIT NUMBERS TO 20 (COUNTING ON)	SUBTRACT 2 DIGIT NUMBERS TO 20 (COUNTING BACK)	RAPID RECALL OF ALL + NUMBER BONDS TO 20	RAPID RECALL OF ALL - NUMBER BONDS WITHIN 20

NUMBERS + PLACE VALUE						
ONE MORE (0-100)	ONE LESS (0-100)	COUNT IN 2S	COUNT IN 5S	COUNT IN 10S	MISSING NUMBER PROBLEMS	

## SANDBROOK ARITHMETIC YEAR 2

ADDITION					SUBTRACTION			
ADD 2DIGIT NUMBER AND 1DIGIT (COUNTING ON)	ADD 2DIGIT NUMBER AND TENS (COUNTING ON)	ADD 2, 2DIGIT NUMBERS (COLUMN) (NO REGROUPING)	ADD 2, 2DIGIT NUMBERS (COLUMN) (REGROUPING)	ADD 3, 1DIGIT NUMBERS (COUNTING ON)	SUBTRACT 2DIGIT NUMBER AND 1DIGIT (COUNTING BACK)	SUBTRACT 2DIGIT NUMBER AND TENS (COUNTING BACK)	SUBTRACT 2, 2DIGIT NUMBERS (COLUMN) (NO REGROUPING)	SUBTRACT 2, 2DIGIT NUMBERS (COLUMN) (REGROUPING)

MULTIPLICATION			DIVISION		
RAPID RECALL MULTIPLICATION FACTS 2X TABLE	RAPID RECALL MULTIPLICATION FACTS 5X TABLE	RAPID RECALL MULTIPLICATION FACTS 10X TABLE	RAPID RECALL DIVISION FACTS 2X TABLE	RAPID RECALL DIVISION FACTS 5X TABLE	RAPID RECALL DIVISION FACTS 10X TABLE

PLACE VALUE	
IDENTIFY THE NUMBER OF TENS AND ONES IN A TWO DIGIT NUMBER	PARTITION TWO DIGIT NUMBERS INTO DIFFERENT COMBINATIONS OF TENS AND ONES.

**SANDBROOK ARITHMETIC YEAR 3**

ADDITION					MULTIPLICATION			
ADD 3DIGIT NUMBER AND 1DIGIT (COUNTING ON)	ADD 3DIGIT NUMBER AND TENS (COUNTING ON)	ADD 3DIGIT NUMBER AND HUNDREDS (COUNTING ON)	ADD 2, 3DIGIT NUMBERS (COLUMN) (NO REGROUPING)	ADD 2, 3DIGIT NUMBERS (COLUMN) (REGROUPING)	RECALL AND USE MULTIPLICATION FACTS FOR 3 X TABLE	RECALL AND USE MULTIPLICATION FACTS FOR 4 X TABLE	RECALL AND USE MULTIPLICATION FACTS FOR 8 X TABLE	MULTIPLY 2DIGIT NUMBER BY A 1DIGIT NUMBER (COLUMN/STANDARD ALGORITHM) (NO REGROUPING)

SUBTRACTION					FRACTIONS	
SUBTRACT 3DIGIT NUMBER AND 1DIGIT (COUNTING BACK)	SUBTRACT 3DIGIT NUMBER AND TENS (COUNTING BACK)	SUBTRACT 3DIGIT NUMBER AND HUNDREDS (COUNTING BACK)	SUBTRACT 2, 3DIGIT NUMBERS (COLUMN) (NO REGROUPING)	SUBTRACT 2, 3DIGIT NUMBERS (COLUMN) (REGROUPING)	ADD FRACTIONS WITH THE SAME DENOMINATOR (WITHIN ONE WHOLE)	SUBTRACT FRACTIONS WITH THE SAME DENOMINATOR (WITHIN ONE WHOLE)

DIVISION				
RECALL AND USE DIVISION FACTS FOR 3 X TABLE	RECALL AND USE DIVISION FACTS FOR 4 X TABLE	RECALL AND USE DIVISION FACTS FOR 8 X TABLE	DIVIDE 2DIGIT NUMBER BY A 1DIGIT NUMBER (SHORT DIVISION) (PARTITIONING/ NUMBER BONDS/CHUNKING)	DIVIDE 2DIGIT NUMBER BY A 1DIGIT NUMBER (SHORT DIVISION) (PARTITIONING/ NUMBER BONDS/CHUNKING) (REMAINDERS)

**SANDBROOK ARITHMETIC YEAR 4**

ADDITION		SUBTRACTION		MULTIPLICATION					
ADD NUMBERS UP TO 4 DIGITS (COLUMN) (NO REGROUPING)	ADD NUMBERS UP TO 4 DIGITS (COLUMN) (REGROUPING)	SUBTRACT NUMBERS UP TO 4 DIGITS (COLUMN) (NO REGROUPING)	SUBTRACT NUMBERS UP TO 4 DIGITS (COLUMN) (REGROUPING)	RECALL MULTIPLICATION FACTS 12X12	MULTIPLY 2DIGIT NUMBER BY A 1DIGIT NUMBER (COLUMN/STANDARD ALGORITHM) (NO REGROUPING)	MULTIPLY 2DIGIT NUMBER BY A 1DIGIT NUMBER (COLUMN/STANDARD ALGORITHM) (REGROUPING)	MULTIPLY 3DIGIT NUMBER BY A 1DIGIT NUMBER (COLUMN/STANDARD ALGORITHM) (NO REGROUPING)	MULTIPLY 3DIGIT NUMBER BY A 1DIGIT NUMBER (COLUMN/STANDARD ALGORITHM) (REGROUPING)	MULTIPLICATION OF THREE NUMBERS (FACTOR PAIRS / COMMUTATIVITY)

DIVISION				FRACTIONS			
RECAL DIVISION FACTS 12X12	DIVIDE 2DIGIT NUMBER BY A 1DIGIT NUMBER (SHORT DIVISION)	DIVIDE 2DIGIT NUMBER BY A 1DIGIT NUMBER (SHORT DIVISION) (REMAINDERS)	DIVIDE 2 DIGIT NUMBER BY 1DIGIT (LONG DIVISION)	DIVIDE 2 DIGIT NUMBER BY 2DIGIT (LONG DIVISION)	ADD FRACTIONS WITH THE SAME DENOMINATOR	SUBTRACT FRACTIONS WITH THE SAME DENOMINATOR	DIVIDING 1 OR 2 DIGIT NUMBERS BY 10 AND 100.

**SANDBROOK ARITHMETIC YEAR 5**

ADDITION		SUBTRACTION		DIVISION				
ADD NUMBERS WITH MORE THAN 4 DIGITS (COLUMN) (NO REGROUPING)	ADD NUMBERS WITH MORE THAN 4 DIGITS (COLUMN) (REGROUPING)	SUBTRACT NUMBERS WITH MORE THAN 4 DIGITS (COLUMN) (NO REGROUPING)	SUBTRACT NUMBERS WITH MORE THAN 4 DIGITS (COLUMN) (REGROUPING)	DIVIDE 2 DIGIT NUMBERS BY TENS, HUNDREDS, THOUSANDS,	DIVIDE 3 DIGIT NUMBERS BY TENS, HUNDREDS, THOUSANDS,	DIVIDE 4 DIGIT NUMBERS BY TENS, HUNDREDS, THOUSANDS,	DIVIDE 3DIGIT NUMBERS BY 1 AND 2DIGIT NUMBERS (LONG DIVISION / STANDARD ALGORITHM)	DIVIDE 4DIGIT NUMBERS BY 1 AND 2DIGIT NUMBERS (LONG DIVISION / STANDARD ALGORITHM)

MULTIPLICATION						
MULTIPLY 2 DIGIT NUMBERS BY TENS, HUNDREDS, THOUSANDS,	MULTIPLY 3 DIGIT NUMBERS BY TENS, HUNDREDS, THOUSANDS,	MULTIPLY 4 DIGIT NUMBERS BY TENS, HUNDREDS, THOUSANDS,	MULTIPLY 2DIGIT NUMBER BY A 2DIGIT NUMBER (COLUMN/STANDARD ALGORITHM) (NO REGROUPING)	MULTIPLY 2DIGIT NUMBER BY A 2DIGIT NUMBER (COLUMN/STANDARD ALGORITHM) (REGROUPING)	MULTIPLY 3DIGIT NUMBER BY A 2DIGIT NUMBER (COLUMN/STANDARD ALGORITHM) (NO REGROUPING)	MULTIPLY 3DIGIT NUMBER BY A 2DIGIT NUMBER (COLUMN/STANDARD ALGORITHM) (REGROUPING)

FRACTIONS				
ADD FRACTIONS WITH THE SAME DENOMINATOR	ADD FRACTIONS WITH DENOMINATORS THAT ARE MULTIPLES OF THE SAME NUMBER	SUBTRACT FRACTIONS WITH THE SAME DENOMINATOR	SUBTRACT FRACTIONS WITH DENOMINATORS THAT ARE MULTIPLES OF THE SAME NUMBER	MULTIPLY PROPER FRACTIONS AND MIXED NUMBERS

**SANDBROOK ARITHMETIC YEAR 6**

MULTIPLICATION			DIVISION				
MULTIPLY MULTI-DIGIT NUMBERS BY 2 DIGITS (LONG MULTIPLICATION)	MULTIPLY MULTI-DIGIT NUMBERS BY 3 DIGITS (LONG MULTIPLICATION)	MULTIPLY MULTI-DIGIT NUMBERS BY 4 DIGITS (LONG MULTIPLICATION)	DIVIDE 2DIGIT NUMBERS BY 2 DIGITS. INCL REMAINDERS (SHORT DIVISION)	DIVIDE 3DIGIT NUMBERS BY 2DIGITS. INCL REMAINDERS (SHORT DIVISION)	DIVIDE 4 DIGIT NUMBERS BY 2 DIGITS (SHORT DIVISION)	DIVIDE 3DIGIT NUMBERS BY 2DIGITS. INCL REMAINDERS (SHORT DIVISION)	DIVIDE 3DIGIT NUMBERS BY 3DIGITS. INCL REMAINDERS (SHORT DIVISION)

FRACTIONS			
ADD FRACTIONS WITH DIFFERENT DENOMINATORS AND MIXED NUMBERS (CONCEPT OF EQUIVALENT FRACTIONS)	SUBTRACT FRACTIONS WITH DIFFERENT DENOMINATORS AND MIXED NUMBERS (CONCEPT OF EQUIVALENT FRACTIONS)	MULTIPLY SIMPLE PAIRS OF PROPER FRACTIONS, WRITING THE ANSWER IN ITS SIMPLEST FORM	DIVIDE PROPER FRACTIONS BY WHOLE NUMBERS