page	HEADINGS	Hello division in BOOK 21 Yr 4
1	DIVISION IN PICTURES	Show how lollipops are fairly shared amongst groups of children
2	DECIDING THE FACTOR	Again sharing lollipops fairly amongst a number of people
3	DIVIDING BY 2	Dividing full collections of objects into true halves
4	DIVIDING ARRAYS OF DOTS	Divide arrays into half, third, quarter, fifth, sixth
5	USING THE DIVISION SIGN	Converting the division sentence into correct arrays of items
6	RELATING MULTIPLY WITH DIVIDE	Insert missing nums from different parts of mult and div sentences
7	DIVIDING PATTERNS OF DOTS INTO 2	Acquiring swift division by 2 of numbers to 20
8	SORTING GOODS INTO GROUPS OF 3	Dividing arrays of goods into three sub-arrays
9	INSERT MISSING NUMBER	Complete divisions in different positions of the division sentence
10	SORTING GOODS INTO GROUPS OF 4	Dividing arrays of goods into four sub-arrays
11	DIVIDE UP TO 48 / 4	Fill missing numbers in different parts of divisions by 4
12	DEDUCING QUARTERS OF GROUPS	Dividing arrays of goods into four sub-arrays
13	MATCHING QUOTIENTS	Recognising equal outcomes of /2 and /4
14	PRINCIPLE OF DIVISION BY 1	Insert correct operation symbol for addn, subn, mult and divn
15	USING X TABLE TO SOLVE DIVISIONS	Find quotients for a diversity of divisors
16	THE EFFECT OF 1 IN DIVN SENTENCES	Insert missing numbers in divisions involving the number 1
17	CONVERT MULT SENTENCES TO DIVN	Complete three related number facts using same numerals
18	CONVERTING ENGLISH TO FORMULAE	Deduce numbers from various words & pictures
19	RELATE DIVN OUTCOMES TO MULTS	From 9 mults and 9 divns, connect matching products & quotients
20	SELECT FOR AMTS FROM DISPLAYS	Discern maths sents that equal 3 and quantities that divide by 4
21	INTRODUCTION OF DIVISION VOCAB	The dividend is divided by the divisor, producing a quotient
22	USING DIVISION GRAPHIC	Reproducing division sentences in traditional graphic format
23	RELATING MULT FACTS WITH DIVNS	Convert given mults into two arrangements of division
24	INTRODUCING < AND > SYMBOLS	Convert row divisions into graphic division format
25	MULTIPLES OF 10 IN ARITHMETIC	Multiplying by 10 and dividing by 10 (without decimals yet)
26	DIVIDING 10S BY 10S	Divisions involving 10s in both dividend and divisor
27	USING DIVISION SKILLS IN ARRAYS	Division questions presented in English and involving tile arrays.
28	SHARING MONEY AND EGGS	Dividing amongst numbers of people and cartons of eggs
29	REVISIONS OF SHARING	Dividing by tens, sharing edibles, and dividing the cash,
30	REVISE KEY SKILLS	Gathering samples of the most essential skills for this level
31	TEST SKILLS BOOK 16	Similar problems to sheet 30 with extra elements that have been studied
32	STUDENT PROGRESS PAGE	A report advising what the student has studied in Fitzroy Maths Book 21

page	HEADINGS	All about subtraction in BOOK 23 YR 4
1	Mental subtraction	Subtracting from up to 29 / also from numbers to 39
2	WAYS OF SUBTRACTING 8 & 9	To subtract 8, subtract 10 then add 2
3	REVISING COLUMN SUBTRACTION	Subtracting units column first, then the 10s column
4	SUBTRACTING 2 DIGIT NUMBERS	Subtracting 1s column first then the 10s column
5	SUBTRACTING 2 DIGIT NUMBERS	Subtracting 1s column first then the 10s column
6	SUBTRACTING FROM 3-DIGIT NUMS	Subtracting from 3 digits without carries
7	SUBTRACTING WITH CARRIES	Subtracting from two- and three- digit numbers
8	SUBTRACTING WITH CARRIES	Subtracting from two- and three- digit numbers
9	MENTAL SUBTRACTIONS	Subtracting 2 smaller numbers from one larger
10	SUBTRACTING WITH CARRIES	Subtracting from two- and three- digit numbers
11	SUBTRACTING WITH CARRIES	Subtracting with carries including zeros here and there
12	SUBTRACTING WITH CARRIES	Double digits minus double digits
13	SUBTRACTING WITH CARRIES	Triple digits minus double digits
14	SUBTRACTING WITH CARRIES	Moving on to triple digits minus triple digits
15	SUBTRACTING WITH CARRIES	Moving on to quadruple digits minus quadruple digits
16	MIXING PLUS AND MINUS	Compare results and indicate which is higher using > and <
17	REVISION OF 2-DIGIT SUBTRACTION	Revision of 2-digit minus 2-digit column subtraction
18	MIXING ADDITION AND SUBTRACTION	Using double subtraction of money to arrive at change
19	MENTAL SUBTRACTIONS BELOW 100	Answering higher examples by drawing on simple subtractions
20	REVISION OF 2-DIGIT SUBTRACTION	Revision of 2-digit minus 2-digit column subtraction
21	MIXING ADDITION AND SUBTRACTION	Using double subtraction of money to arrive at change
22	PUT NUMBERS THROUGH THE -7 BOX	Adding and subtracting numbers below 100 in one equation
23	JOIN CORRECT FISH TO THE 54 BOWL	Three- digit numbers minus three- digit numbers
24	CONVERT TO COLUMN SUBTRACTION	Redrawing linear subtractions into column format
25	SUBTRACT TO CALCULATE CHANGE	Deduct the cost price from the standard higher $ notes
26	SUBTRACT TO CALCULATE CHANGE	Subtraction of two purchases from standard higher $ notes
27	CONVERT TO COLUMN SUBTRACTION	Redrawing linear 3- and 4-digit subtractions into column format
28	USE SUBTRACTION TO MAKE CHANGE	Deduct the cost price from the standard higher $ notes
29	COMPARE + AND – RESULTS	Compare results and indicate which is higher using > and <
30	REVISE KEY SKILLS	Gathering samples of the most essential skills for this level
31	TEST SKILLS BOOK 18	Similar problems to sheet 30 with extra elements that have been studied
32	STUDENT PROGRESS PAGE	A report advising what the student has studied in Fitzroy Maths Book 23

page	HEADINGS	Hello fractions BOOK 24 YR 4
1	Cut shapes into equal halves	Shade one half and write $\frac{1}{2}$ in the other half
2	Halving symmetrical objects	Find the line of bisection in a variety of images
3	Cut shapes into equal thirds	Shade one third and write $\frac{1}{3}$ in another third
4	Cut shapes into quarters	Shade one quarter and write $\frac{1}{4}$ in another quarter
5	Cut various shapes into thirds	Divide pizzas, cloths, and jars into three equal parts
6	Match fractions to parts of objects	Also shade sections of shapes to indicate $\frac{1}{2}$, $\frac{1}{3}$ and $\frac{1}{4}$
7	Cut various shapes into fifths	Shade one fifth and write $\frac{1}{5}$ in another third
8	Cut various shapes into thirds	Shade two of the thirds and write $\frac{2}{3}$ next to each shape
9	Cut shapes into quarters	Shade three of the quarters and write $\frac{3}{4}$ next to each shape
10	Cut various shapes into fifths	Shade three of the fifths and write $\frac{3}{5}$ next to each shape
11	Observe how many equal parts	Shade the correct number of sectors in each circle
12	Cut various shapes into sixths	Divide various shapes into sixths and shade the fraction given
13	Mixed shapes and mixed fractions	Shade the parts of each shape to match each fraction shown
14	Mixed shapes and mixed fractions	Divide each shape evenly to match the written fraction shown
15	Writing fractions in English	Fill in the missing words or fractions
16	Match written fractions to digits	Divide each shape and shade the written fraction shown
17	Names for upper & lower numbers	Indicate numerators (how many) and denominators (what size)
18	Fractions of equal value	Shade the correct parts of each shape indicating equal amount
19	Equivalent fractions	DIVIDE shapes to show denominators and SHADE numerators
20	Matching equivalent fractions	Join numeral fractions to match correct drawn shapes
21	Shapes divided into parts	Some parts are shaded. Write correct fraction for shaded area.
22	32 shapes divided into parts	Shade the sections to match the fractions written in each box
23	Shapes divided into parts	Some parts are shaded. Write correct fraction for shaded area.
24	Match fractions with different names	Join the shapes which display equivalent fractions
25	Join each shape to its fraction	Divide shapes into areas and shade the fraction written
26	Match fraction words to numbers	Arrange fractions in order of size. Draw & shade circles if necessary.
27	Shapes divided into parts	Some parts are shaded. Write simplest fraction for shaded area.
28	Circle the smaller fraction	Then draw lines and shade in the smaller fraction
29	Circle the larger fraction	Then draw lines and shade in the larger fraction
30	REVISE KEY SKILLS	Gathering samples of the most essential skills for this level
31	TEST SKILLS BOOK 19	Similar problems to sheet 30 with extra elements that have been studied
32	STUDENT PROGRESS PAGE	A report advising what the student has studied in Fitzroy Maths Book 24

page	HEADINGS	Maths activities in BOOK 25 YR 4
1	Counting in 10s	Link multiples of 10 in numerical order up to 150
2	10 times up to 120	Teach principle of adding a zero to any whole number multiplied by 10
3	Put multiples of 10 in order	Join the dots from 0 to 420 in steps of 10
4	Multiplying by 10	Multiplying up to 120 in random order
5	Multiplying up to 17 x 10	Converting multiples of 10 to the product of 10 and what number?
6	Compare multiples of 5 & 10	Match 10 x each number with the correct 5 x double the number
7	Missing numbers everywhere	Insert the missing number from all positions of multiplication statements
8	Multiplying up to 18 x 10	Colour in only multiples of 10 to reveal the picture in the pattern
9	Multiplying money notes	Calculate the total monetary value of arrays of $10 notes
10	Subtraction of money amounts	Calculate the difference between arrays of $10 notes
11	Hello, 11 times table	How to recognise multiples of 11 / fill in the missing multiples
12	Multiples of 11	Restore missing numbers from different parts of the multiplication
13	Multiplying by eleven	Multiplying by eleven in three different activities requiring multiples
14	Multiples to 198	Join 9 products in sequence / see if you can say how many 11s in each
15	Multiples of 11	Three different activities involving the eleven times table
16	Multiples of 11	Fill in the missing numbers in random order – up to 12 x 11
17	Multiples of 11	Complete multiplications with gaps in all positions
18	Find the animal	Colouring in the parts of the display that are divisible by 11
19	Fill in the products	Fill in 40 multiples of 11 and 15 products in the 11 x tables
20	20 random tables	Shade in the products of 11 in the 10 rows of 10 columns
21	Six different tables	Fill in all numbers in six tables of number sets
22	Times revision	Checking a variety of multiplications ranging from 1 to 11
23	Medley of missing numbers	Full in the gaps in medley of missing numbers in multiplications
24	Hello to factors	Understanding what factors are - and how many different numbers have
25	Grids of multiplication	Multiplying from 0 to 11 in several arrays
26	Symbols for mystery nums	See if you can work out what the numbers really are for each symbol
27	Multiplying from 0 to 11	Finding the product of many pairs of numbers in different orders
28	Pictures and money	Write out the quantity, the price - and the total
29	Missing numbers	42 multiplication statements with gaps for you to fill
30	REVISE KEY SKILLS	Gathering samples of the most essential skills for this level
31	TEST SKILLS BOOK 20	Similar problems to sheet 30 with extra elements that have been studied
32	STUDENT PROGRESS PAGE	A report advising what the student has studied in Fitzroy Maths Book 25

page	HEADINGS	Long mult & long div BOOK 25+ YR 4
1	Time tables to 10 x 10	Learning to read a chart of rows and columns
2	Multiplying is reversible	Reverse multiplications / lines of symmetry
3	Multiply any number by 1	Translation of image / rounding up cartage costs
4	Multiply any number by 0	Diagonal translation of image / mixed arithmetic in English
5	Multiply any number by 10	Column multiplication x 2 / draw reflection of image
6	Multiply in the 100s & 1000s	Practice multiplying 3, 4, and 5 digits / convert cm to mm
7	Multiply with units shown	Column multiplication x 2 / draw 1st reflection of image
8	Multiply showing units	Column multiplication x 3 / draw 2nd reflection of image
9	Multiply 4 by 2, 3 & 4 digits	Column multiplication by 4 / draw 3rd reflection of image
10	Multiply with enlarged total	Column multiplication by 2, 3 & 4 / navigating maps showing routes
11	Roman numerals	Origins of Roman numerals / equivalence with Arabic numerals
12	Numerators & denominators	Write correct fractions for pizza illustrations / drawing sectors
13	Multiply with carries	Identifying multiples of numbers from 2 to 70
14	Multiply by 4 with carries	Features of polygons / verbal multiplications
15	Multiply by 5 with carries	Multiplying by 100 / discerning left and right
16	Multiply by 6 with carries	Multiply by 6 for 10s, 100s and 1000s / converting m to cm
17	Multiply by 7 with carries	Multiply by 7 for 10s, 100s and 1000s / Multiply any number by 1000
18	Multiply by 8 with carries	Verbal problems / convert km to m
19	Multiply by 9 with carries	Multiply by 9 for 10s, 100s and 1000s / verbal multiplications
20	Multiply with extra 0s	Use of calculator for multiplication / multiply by numbers up to 100
21	Decimal fractions	Discerning 10ths in diagrams / equating to decimal fractions
22	Decimal problems	Adding 10ths & decimals up to 1 / adding 10ths & decimals beyond 1
23	Division tables	Finding quotients using rows and columns
24	Two digits divided by 2 or 3	Converting verbal divisions into Maths formulae / perimeters of polygons
25	Three digits divided by 3 to 6	Dividing larger numbers / alter an image by rotation
26	Dividing with carries	Divisions up to 100 / up to 1000 / written problems
27	Dividing with remainders	Dividing by 7, 8, 9 & 10 / drawing up problems with division symbol
28	Compare magnitude	Eight rows of arithmetic sentences – to be ordered by magnitude
29	Tables and graphs	Sales by days of the week / who's playing basketball / where are the frogs?
30	Revision of book 25+	Complete multiplication sentences / write decimal fractions
31	Test of book 25+	Solve multiplication problems, division problems and verbal problems
32	Progress report	Showing contents, school name and student name