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|---|---|
| <p><u>Number –Place Value</u> <i>Read, Write and Order:</i> -up to 1000 and beyond (including 1dp). -Round to 10,100, 1000 (including 1dp). -Roman Numerals up to 100. <i>Counting on and back:</i> -From 0 in multiples of 4, 8, 50, 100, 1000.</p> | <p><u>Four Operations (see next page for examples)</u> <i>Addition:</i> -Add up to 4 digit numbers (using column method). <i>Subtraction:</i> -Subtract up to 4 digit numbers (using column method). <i>Multiplication:</i> -2/3 digit x 1 digit (using the baking tray). -Multiply and divide by 10 and 100. <i>Division:</i> -Linked and inverse facts. e.g. $2 \times 4 = 8$ so $8 \div 4 = 2$</p> |
| <p><u>Measurement</u> <i>Lengths, Weight & Capacity:</i> -Add/subtract/covert between - mm,cm,m km g, kg and ml, l. <i>Area & Perimeter:</i> -Find the area and perimeter of shapes by counting squares. <i>Time:</i> -Tell and write the time from analogue and digital clocks. -Convert between analogue and digital (including 24 hour). <i>Time Facts:</i> -Minutes to seconds, years to months, weeks to days. <i>Money:</i> -Compare and calculate differences in money using pounds and pence. -Decimal recording of money.</p> | <p><u>Times Tables</u> -ALL TIMES TABLES UP TO 12 x 12 <u>Multiples</u> -Count in multiples of 4,8,50,100 and 1000.</p> <hr/> <p><u>Shape - Properties of Shape</u> <i>Shape 2D/3D:</i> - Compare and classify quadrilaterals and triangles in properties of shape. <i>Angles:</i> -Identify 90 degrees, Acute/ Obtuse/ angles on a straight line <u>Shape – Position and Direction</u> <i>Co-ordinates:</i> -Top two quadrants. <i>Translation:</i> -Slide the shape left/right and up/down. <i>Symmetry & Reflection:</i> -identify lines of symmetry in 2D shapes (reflex in x,y axis).</p> |
| <p><u>Fractions, Decimals and Percentages</u> <i>Fractions:</i> -Add and subtract with same denominator $\frac{1}{3} + \frac{1}{3}$ -Equivalent fractions $\frac{1}{2} = \frac{5}{10}$ <i>Percentages:</i> -Find 10% and 1% of an amount. <i>Decimals:</i> -Compare decimals up to 1dp.</p> | <p><u>Statistics</u> <i>Charts:</i> -Interpret data using bar charts, pictographs and tables. - Read and interpret scales (2, 5, and 10). -Draw line graphs. <i>Mean, Median, Mode, Range:</i> -Find the Range of a set of data -Find the Mode of a set of data</p> |

Year 4 Methods

| | | | | |
|---|---|---|---|---|
| | 5 | 2 | 0 | 9 |
| + | 3 | 1 | 9 | 2 |
| | 8 | 4 | 0 | 1 |
| | | 1 | 1 | |

Column Addition

$$\begin{array}{r}
 4354 \\
 - 3452 \\
 \hline
 \end{array}
 \rightarrow
 \begin{array}{r}
 \overset{3}{\cancel{4}}\overset{13}{\cancel{3}}54 \\
 - 3452 \\
 \hline
 902
 \end{array}$$

Column Subtraction

| | | |
|----------|------------|-----------|
| x | 30 | 5 |
| 7 | 210 | 35 |

Multiplication 2 by 1
(The Baking Tray)

$$210 + 35 = 245$$

$7 \times 4 = 28$

$4 \times 7 = 28$

$28 \div 7 = 4$

$28 \div 4 = 7$

Division – Linked and Inverse facts and grouping

Division by Grouping

$15 \div 5 =$

Year 4 Vocabulary

ADDITION AND SUBTRACTION

add, addition, more, plus, **increase**
sum, total, altogether
score
double, near double
how many more to make...?
subtract, subtraction, take (away), minus, **decrease**
leave, how many are left/left over?
difference between
half, halve
how many more/fewer is... than...?
how much more/less is...?
equals, sign, is the same as
tens boundary, hundreds boundary
inverse

MULTIPLICATION AND DIVISION

lots of, groups of
times, multiply, multiplication, multiplied by
multiple of, product
once, twice, three times... ten times...
times as (big, long, wide... and so on)
repeated addition
array
row, column
double, halve
share, share equally
one each, two each, three each...
group in pairs, threes... tens
equal groups of
divide, division, divided by, divided into
remainder
factor, quotient, divisible by
inverse

FRACTIONS AND DECIMALS

part, equal parts
fraction
one whole
half, quarter, **eighth**
third, **sixth**
fifth, tenth, twentieth
proportion, in every, for every
decimal, decimal fraction
decimal point, decimal place

Handling data

count, tally, sort, vote
survey, questionnaire, data
graph, block graph, pictogram
represent
group, set
list, chart, bar chart, **tally chart**
table, frequency table
Carroll diagram, Venn diagram
label, title, axis, axes
diagram
most popular, most common
least popular, least common