Parent Information - Maths Facts Booklet

Year Three

Each year group has an individual maths booklet and is stuck in back of Spelling Books. The Maths Planet Booklets are pitched in line with year group expectations. They contain the maths facts from the National Curriculum and these will be taught during the year in Maths. They are designed to support parents to reinforce this learning outside school. The children need to be very secure in their knowledge and ability to recall (quickly) in order to 'achieve' each objective.

Teachers will indicate in the Maths Planet Booklet which facts need to be practised at home. Children need to show that the learning has been embedded. Once you feel your child is confident with the fact put a date in the 'Home' column. The dates in the 'Home' column must be at least two weeks apart to show they have practiced over a period of time. When a fact is tested in school, the teacher will either put a sticker on the 'star' on the front cover or date the completed fact to show your child has been tested and has been successful. **This can only be done in school!**

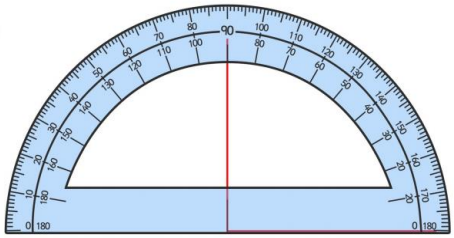
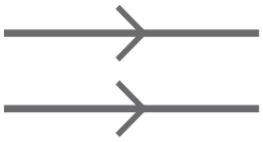
Multiplication and Division				Further explanation / Ideas of how to practise
2x	10x	5 x	3x	**count** - count in steps (e.g. 2s, 3s, etc). Counting is the start of learning times tables, practice the counting patterns as far as you can go! **in order** - recite (verbally or written) multiplication facts in order **mixed up** - answer verbal multiplication facts questions **division** – answer verbal division facts. Division facts – 20 ÷ 2 = 10, 12 ÷ 2 = 6
4x	6x	8x	7x	
9x	11x	12x		

Number	Further explanation / Ideas of how to practise
Read and write numbers to 1000 in numerals.	Reading numbers around the home, in text (i.e. in a newspaper)
Read and write numbers to 1000 in words.	Asking children how to spell numbers, spell the date
Recognise the place value of each digit in a three digit number (hundreds, tens, ones).	152 = 100 + 50 + 2, 298 has 9 tens etc
Compare and order numbers up to 1,000.	Using < > to show numbers that are greater than or less than, e.g. 345 < 672
Find 10 more or 10 less of a given number.	10 more than 57 is 67, 100 more than 234 is 334, 10 more than 145 is 155 10 less then 32 is 22, 100 less 467 is 367, 10 less than 198 is 188
Find 100 more or less of a given number.	
Know 10 tens is equivalent to 1 hundred	"10 tens is equal to 1 hundred."
Know that 100 is 10 times the size of 10	"100 is 10 times the size of 10."
Read Roman Numerals (1 to 12)	I = 1 II = 2 III = 3 IV = 4 V = 5 VI = 6 VII = 7 VIII = 8 IX = 9 X = 10 XI = 11 XII = 12

Counting / Addition & Subtraction	Further explanation / Ideas of how to practise
Count in multiples of 50 from 0	50, 100, 150, 200, 250…
Count in multiples of 100 from 0.	100, 200, 300, 400
Count up and down in tenths	0.1 , 0.2, 0.3, 0.4 ….. 1/10, 2/10, 3/10. 4/10 …..
Know by heart all sums and differences of multiples of 10 to 100	e.g. 60 + 30 = 90, 70 + 80 = 150, 20 + 90 = 110, 70 – 20 = 50, 90 – 60 = 30, 40 – 30 = 10
Calculate complements to 100 (i.e 46 + _ = 100 / 100 – 29 = __)	e.g 45 + _ = 100 , __ + 71 = 100, 100 – 29 = __)

Multiplication & Division	Further explanation / Ideas of how to practise
Double any two-digit number.	e.g. double 34 = 68, double 65 = 130
Halve any two-digit number.	Reversal of the above facts, **even numbers only**

Measure	Further explanation / Ideas of how to practise
Tell the time to the nearest minute on an analogue clock.	Reading clocks around the home
Know 60 secs in 1 minute.	60 seconds = 1 minute
Know how many days in each month.	*30 days has September,* *April, June and November.* *All the rest have 31* *Except February alone,* *Which has 28 days clear* *And 29 in each leap year.*
Know how many days in a year and leap year.	365 days in a year, 366 days in a leap year
Know 10 mm = 1cm	Quick recall of these facts is needed to apply to problem solving
Know 50cm = ½ m	
Know 25cm = 1/4 m	

Geometry	Further explanation / Ideas of how to practise
Identify a right angle.	**Right Angle** A right angle is 90°. 
Identify horizontal and vertical lines.	**Vertical** Straight line up and down **Horizontal** Straight line left and right
Identify pairs of perpendicular lines.	**Perpendicular**  Lines that meet at a right angle (90°)
Identify pairs of parallel lines.	**Parallel**  Lines that will never meet and are always the same distance apart.

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