

Key Stage 1

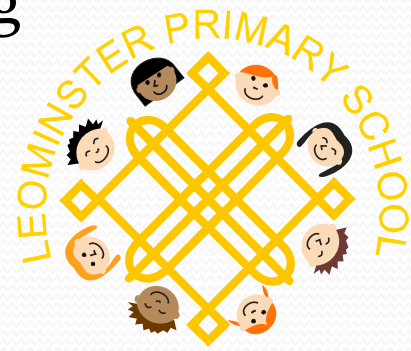
Mental arithmetic workshop

1st February 2016



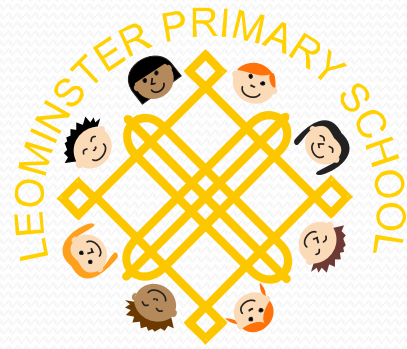
Why focus on mental arithmetic?

- Speed of recall
- Application to calculations
- Developing skills to be used in ‘real-life’ situations
- New curriculum objectives and assessment has greater emphasis on mental skills.
 - ‘The principal focus of mathematics teaching in key stage 1 is to ensure that pupils develop confidence and mental fluency with whole numbers, counting and place value.’



How can you help your child?

- There are many skills within the mental arithmetic strand of the curriculum:
 - Counting
 - Addition and subtraction facts (to 10, 20 and 100)
 - Mental calculation strategies for adding and subtracting
 - Times tables
 - Mental calculation strategies for multiplication and division



Everyday ideas

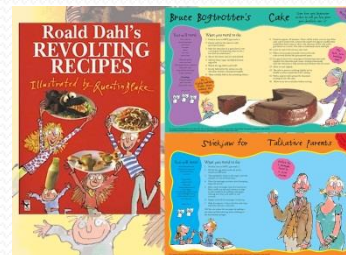
- Lego bricks – addition, number facts, simple multiplication



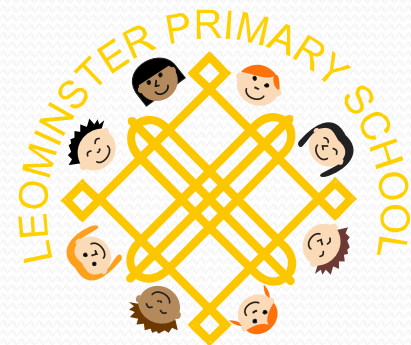
- Maths on the move – car registration numbers, shopping, road signs (miles)



- Cooking and helping around the house



- Telling the time



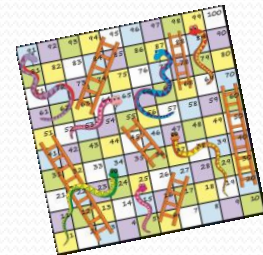
Counting and place value

- Counting games



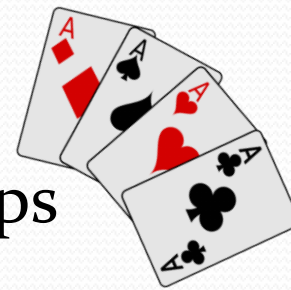
- Simple singing games

- Snakes and ladders and other board games



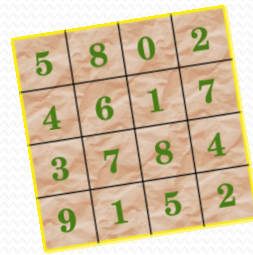
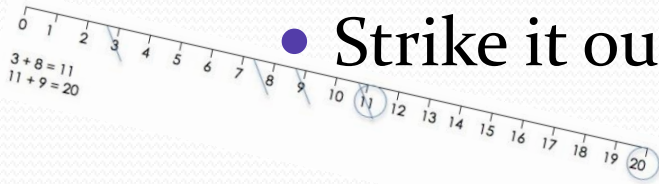
- Dice and spinners

- Card games e.g. patience, top trumps

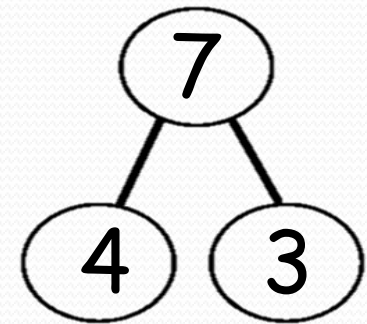


Addition and subtraction

- Strike it out - <https://www.youtube.com/watch?v=G2RAOosfe-s>

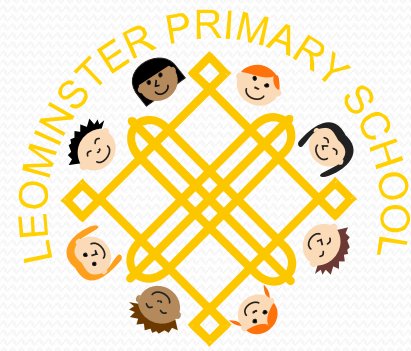


- Number fact quick fire questions



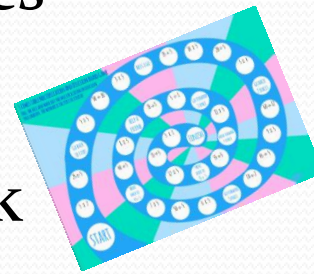
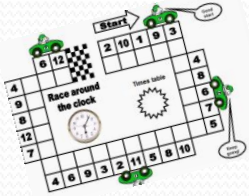
- Online games

- <http://www.topmarks.co.uk/maths-games/5-7-years/addition-and-subtraction>
- <http://resources.woodlands-junior.kent.sch.uk/maths/interactive/index.htm>



Multiplication and division

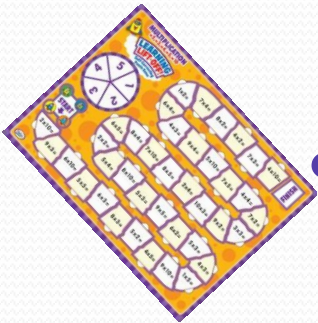
- Stages to learning times tables
- Chanting or singing tables
- Times tables race track



- Simple multiplication grids

×	2	11	4		5
					25
2					
		44			
10				100	
	22				

- Multiplication board games



- Quick fire questions – link to division



We would like to invite you to look at and have a go with the resources. Please feel free to ask any questions you have to members of staff around the room.



That's all Folks!

