- 14 MA1 MC = Manipulate Calculation
- 22 MA2 Ra = Round and Adjust
- 30 MA3 Pa = Partitioning
- 38 MA4 Co = Counting On
- 52 MA5 Da = Double and Adjust
- 60 MA6 Numbo = Number Bonds



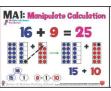
6 Cool Strategies for Mental Addition!









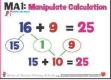






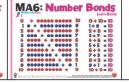


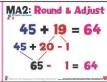


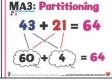


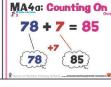


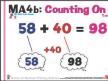


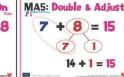


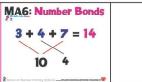


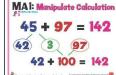




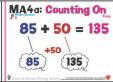


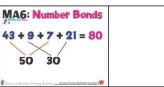






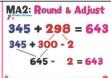


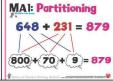


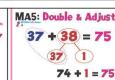


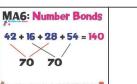




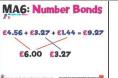






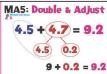


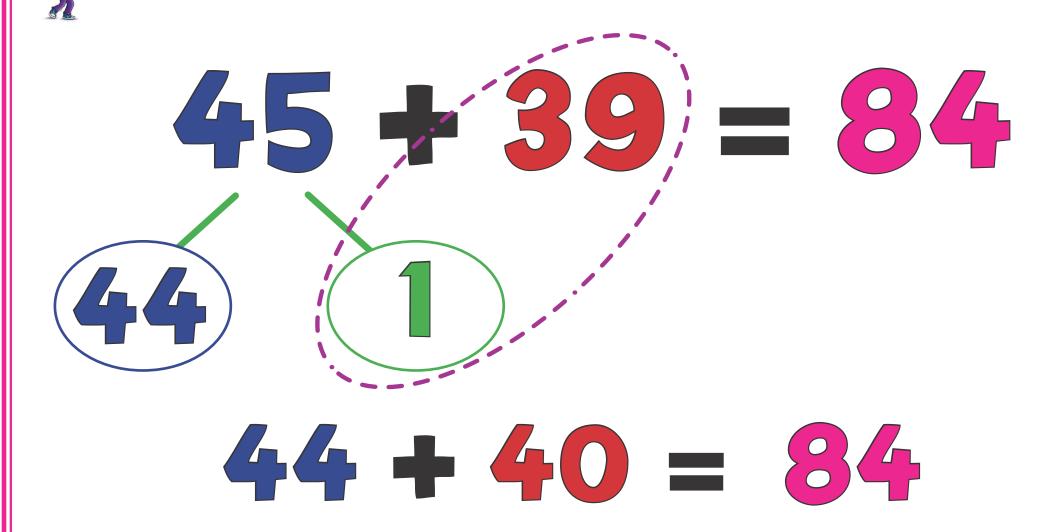




Y6







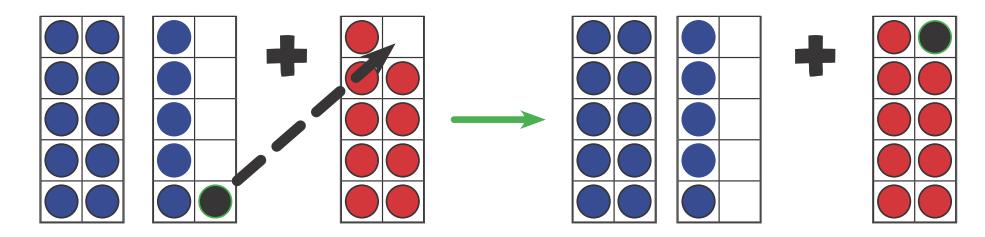


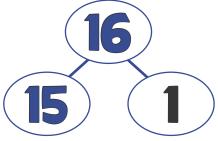


MA1: Manipulate Calculation

MC RaPa CoDa Numbo
Visualisation

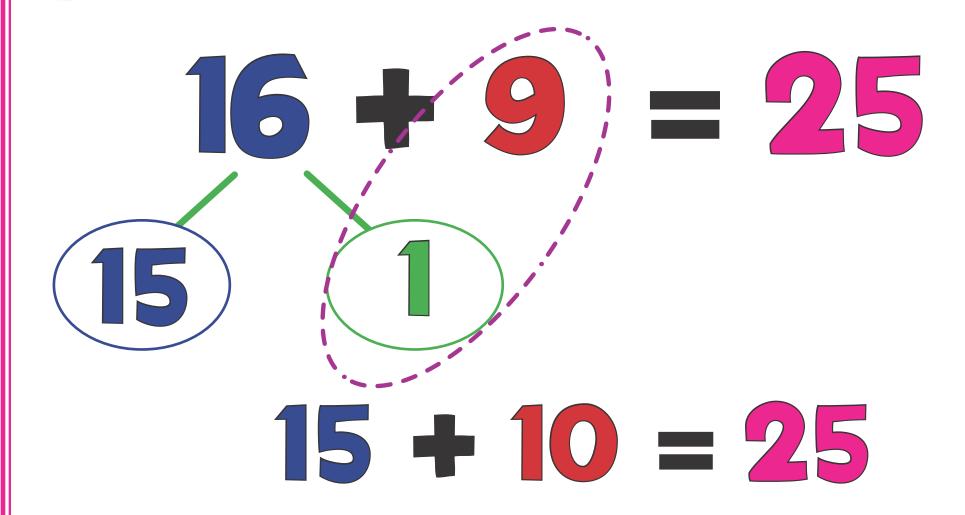






15 + 10





45 + 19 = 64

44 + 20 = 64



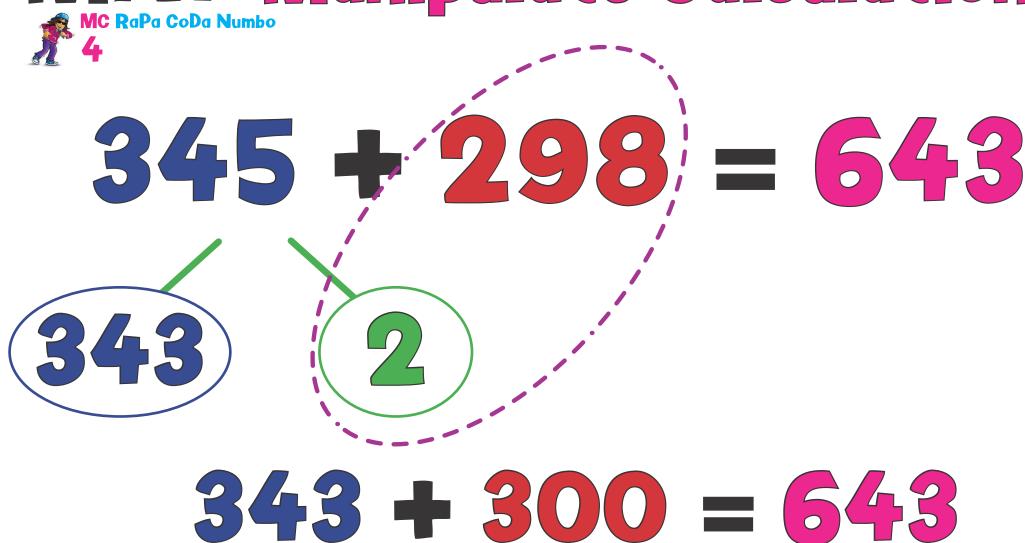


45 + 97 = 142 42 + 100 = 142



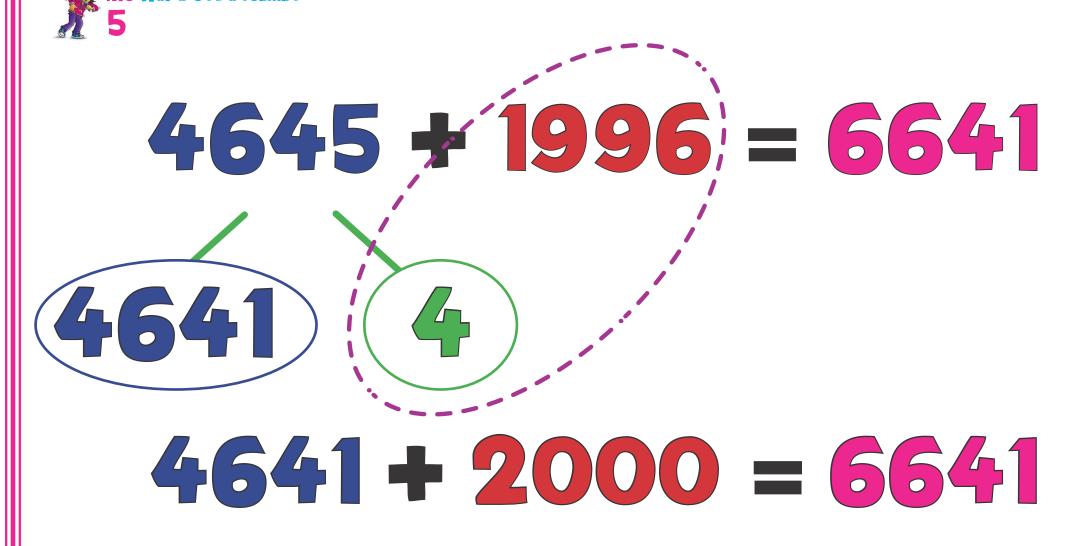


MA1: Manipulate Calculation













45.2 + 49.9 = 95.1

45.1 + 50 = 95.1





MC RaPa CoDa Numbo Round & Adjust

MC RaPa CoDa Numbo Visualisation Round & Adjust

45 + 9 = 54

+10

45

54





MC RaPa CoDa Numbo 1 Round & Adjust

MC RaPa CoDa Numbo 2 Round & Adjust

$$45 + 19 = 64$$
 $45 + 20 - 1$
 $65 - 1 = 64$

MC RaPa CoDa Numbo 3 Round & Adjust





MC RaPa CoDa Numbo 4 Round & Adjust

$$345 + 298 = 643$$
 $345 + 300 - 2$
 $645 - 2 = 643$

MC RaPa CoDa Numbo 6 Round & Adjust

MC RaPa CoDa Numbo Partitioning





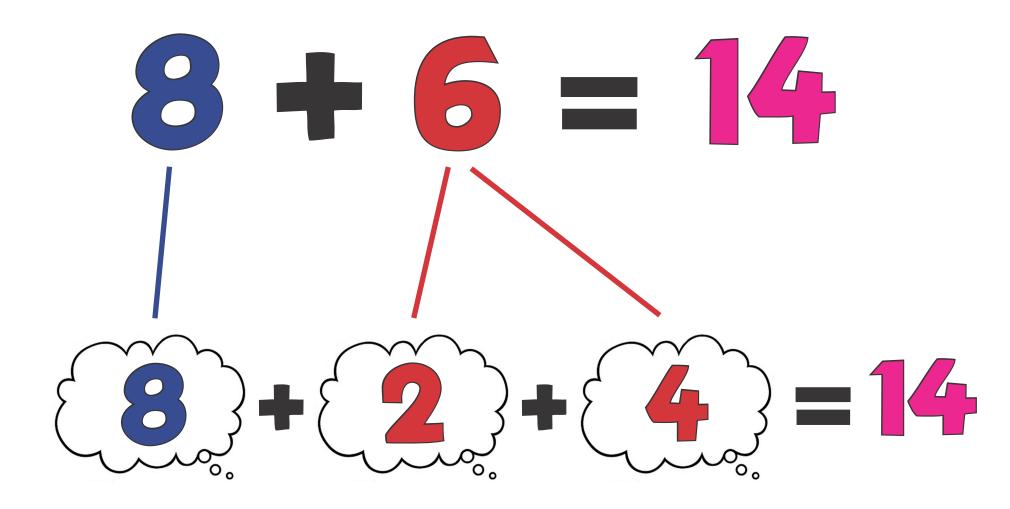
MA3: Partitioning MC RaPa CoDa Numbo **Visualisation**

43 + 21 = 64





MC RaPa CoDa Numbo MC RaPa CoDa Numbo



MC RaPa CoDa Numbo 2 Partitioning













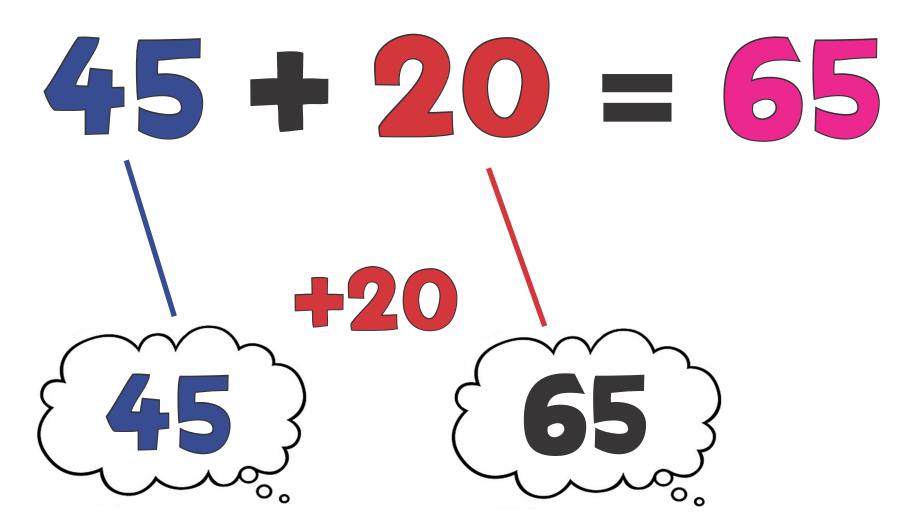


MC RaPa Goda Numbo 6





MC RaPa CoDa Numbo Counting On







MC RaPa CoDa Numbo Visualisation Counting On

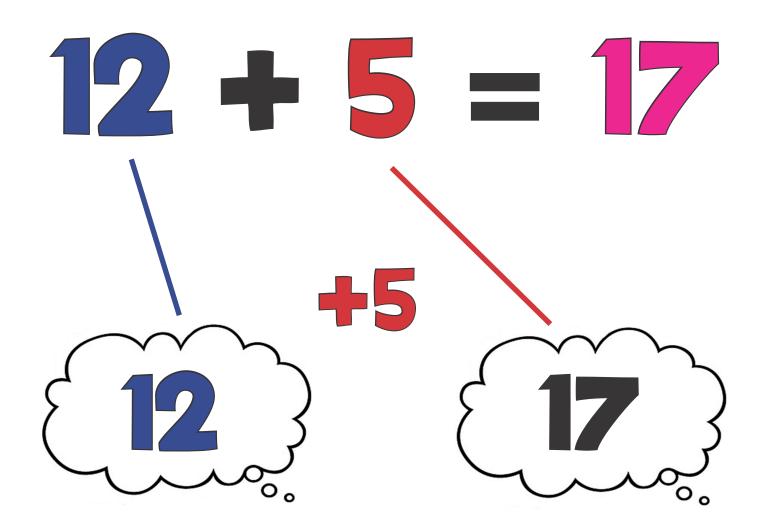
45 + 20 = 65

+ 10 + 10 45 55





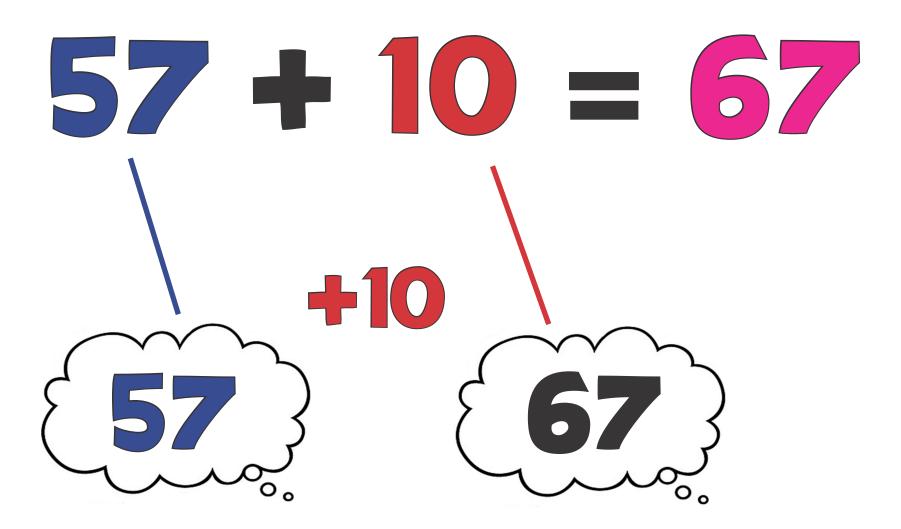
MC RaPa CoDa Numbo Ones







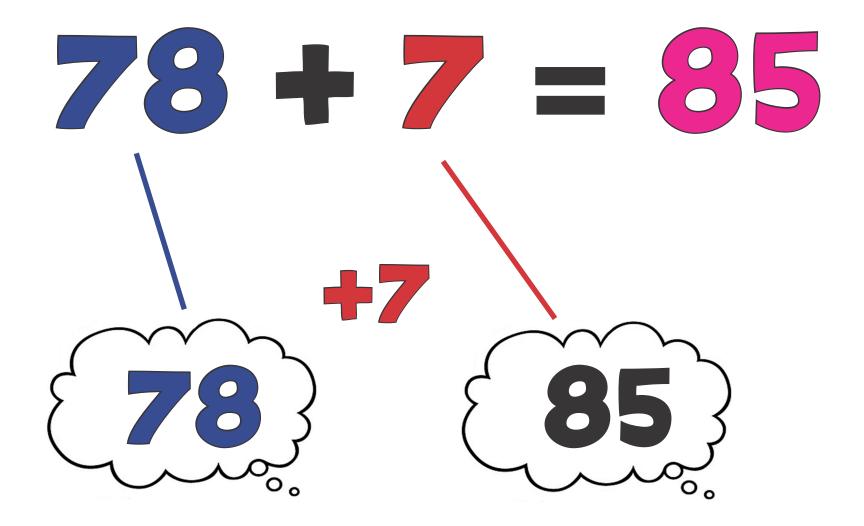
MC RaPa CoDa Numbo Tens





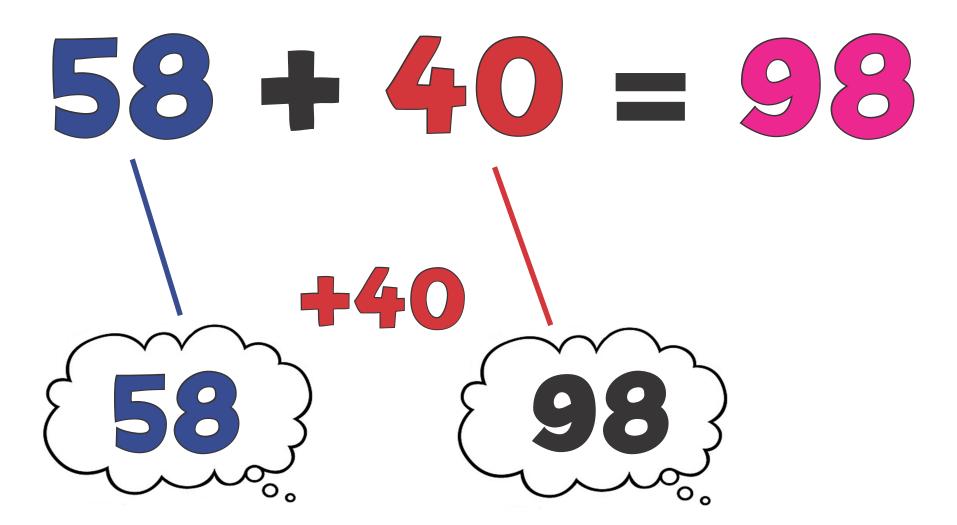


MC RaPa CoDa Numbo Ones





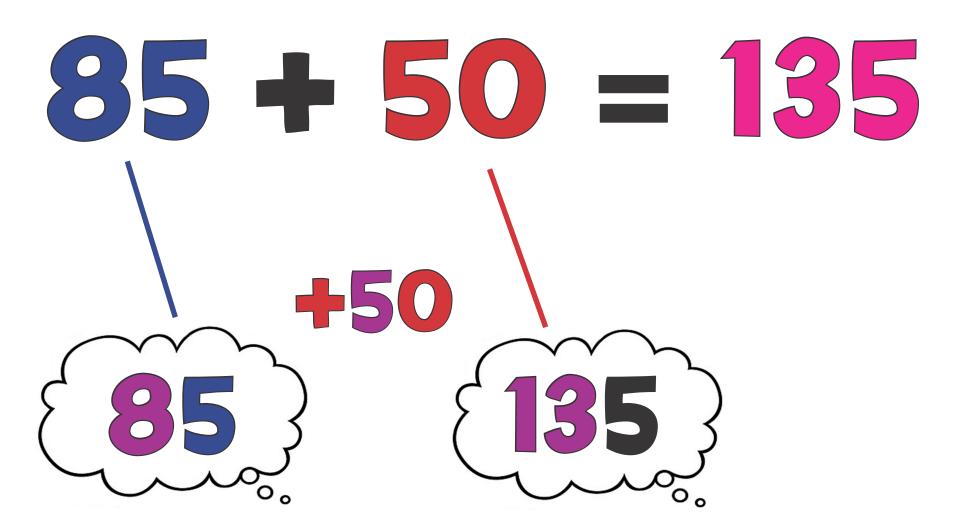
MC RaPa CoDa Numbo Tens







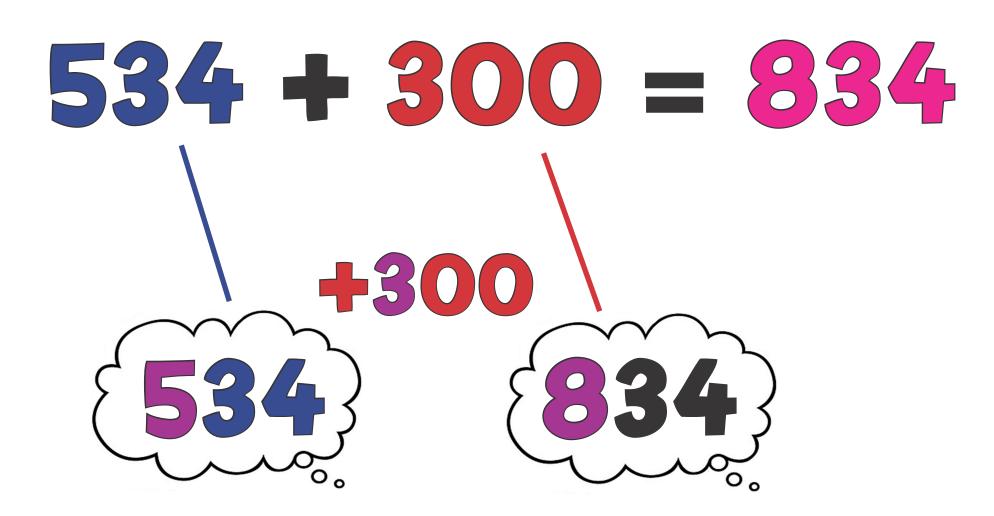
MC RaPa CoDa Numbo Tens





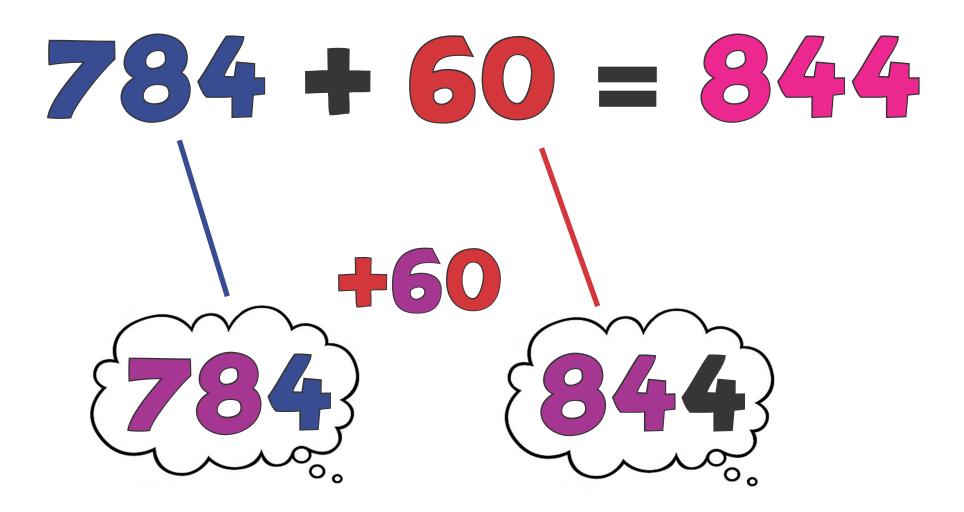


MC RaPa CoDa Numbo MC RaPa CoDa Numbo Hundreds



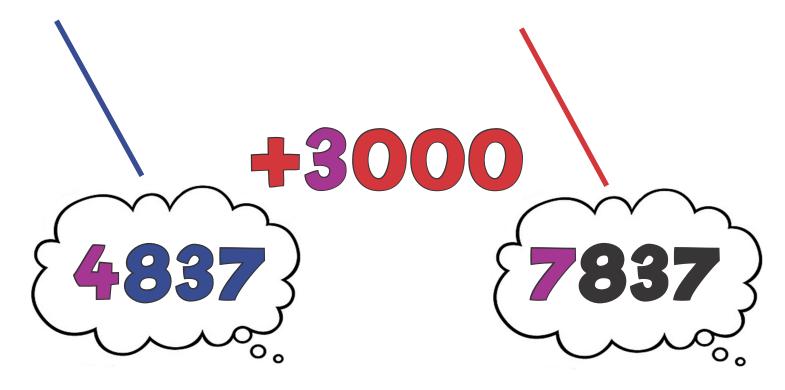


MC RaPa CoDa Numbo Tens



MA4b: Counting 0 MC RaPa CoDa Numbo Hundreds

4837 + 3000 = 7837







MC RaPa CoDa Numbo MC RaPa CoDa Numbo Hundreds

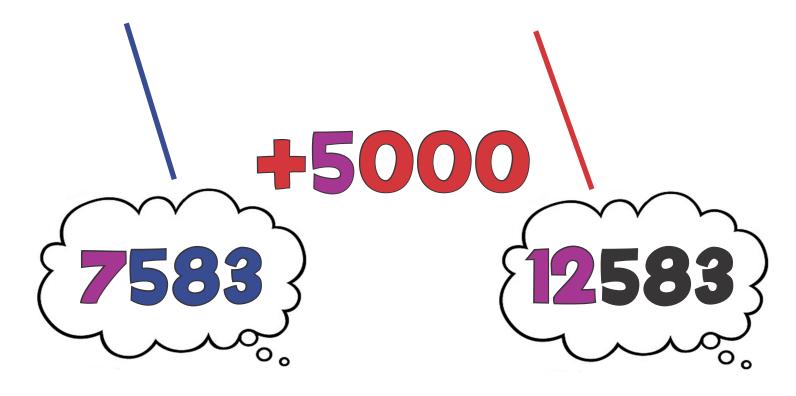
837 + 500 = 1337





MC RaPa CoDa Numbo Thousands

7583 + 5000 = 12583







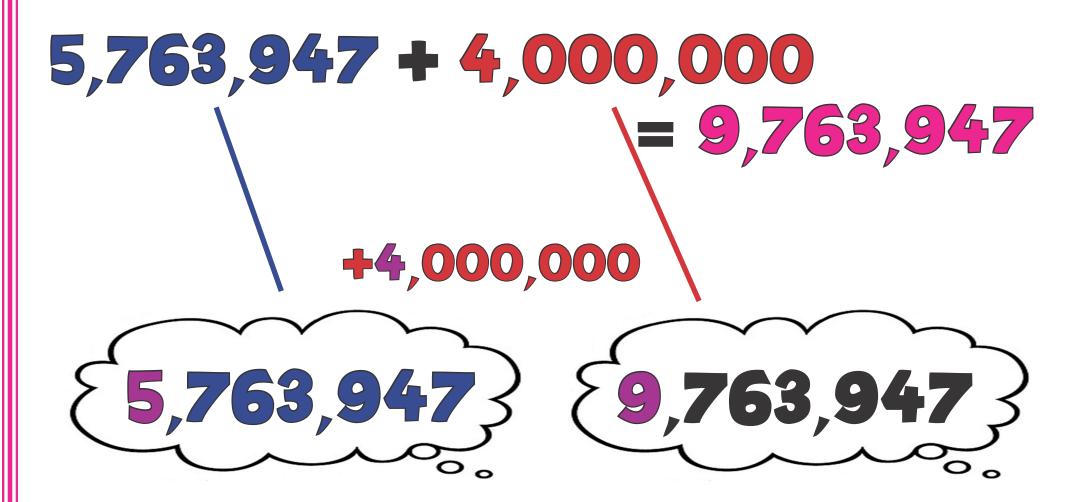
MA4a: Counting O MC RaPa CoDa Numbo Ten Thousands

43,826 + 30,000 = 73,826



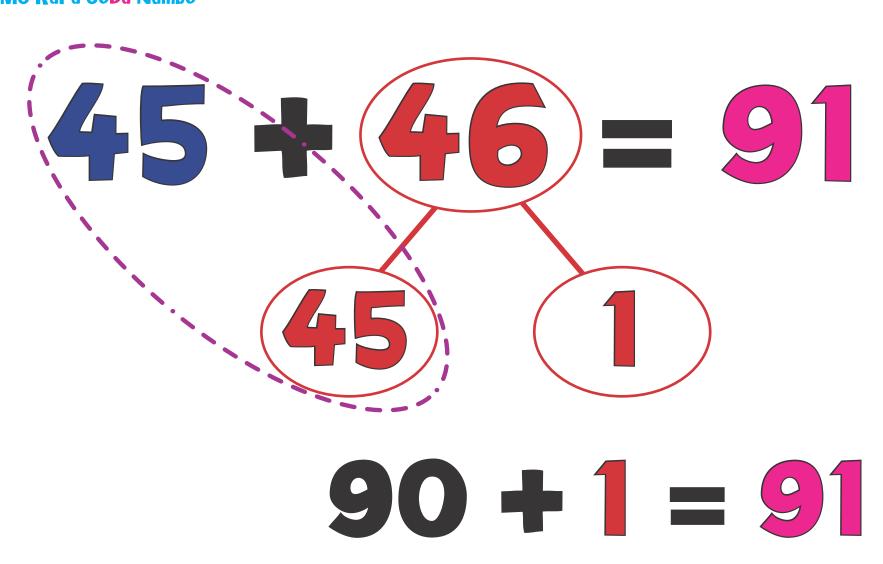


MC RaPa CoDa Numbo MC RaPa CoDa Numbo Millions





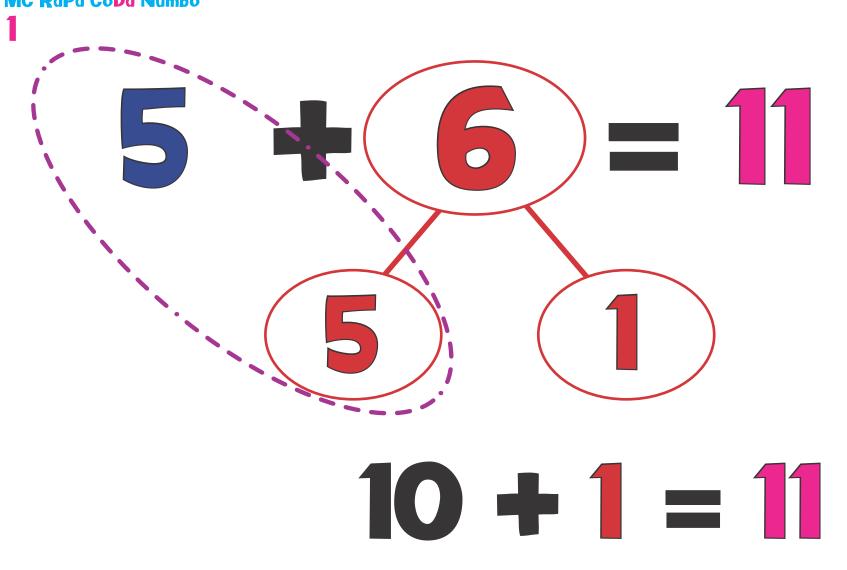


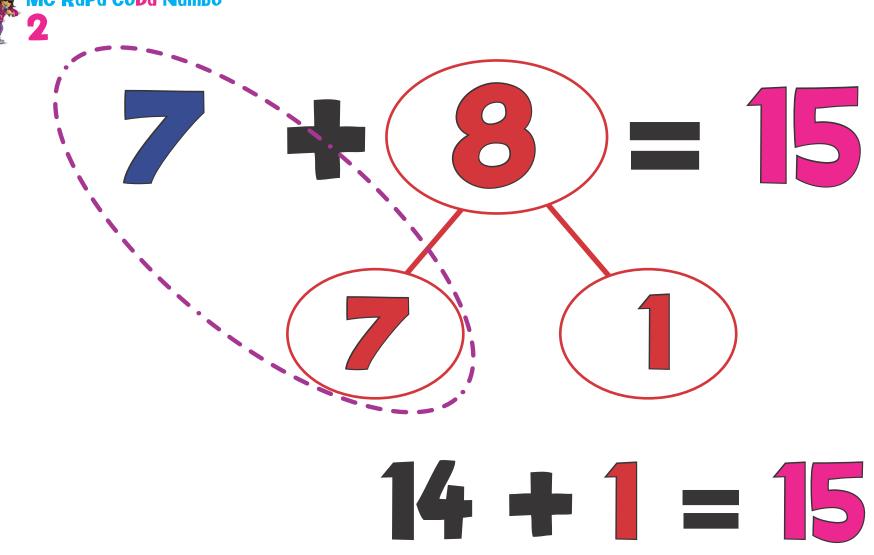


MC RaPa CoDa Numbo Visualisation







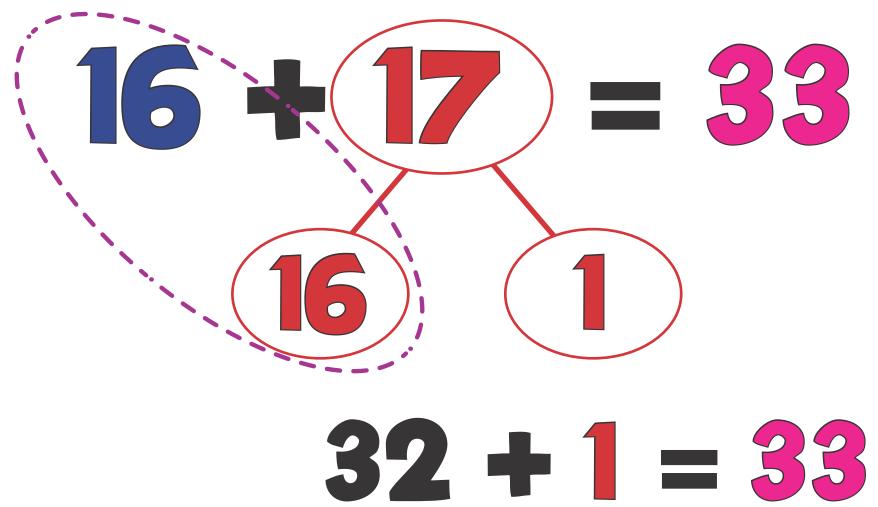




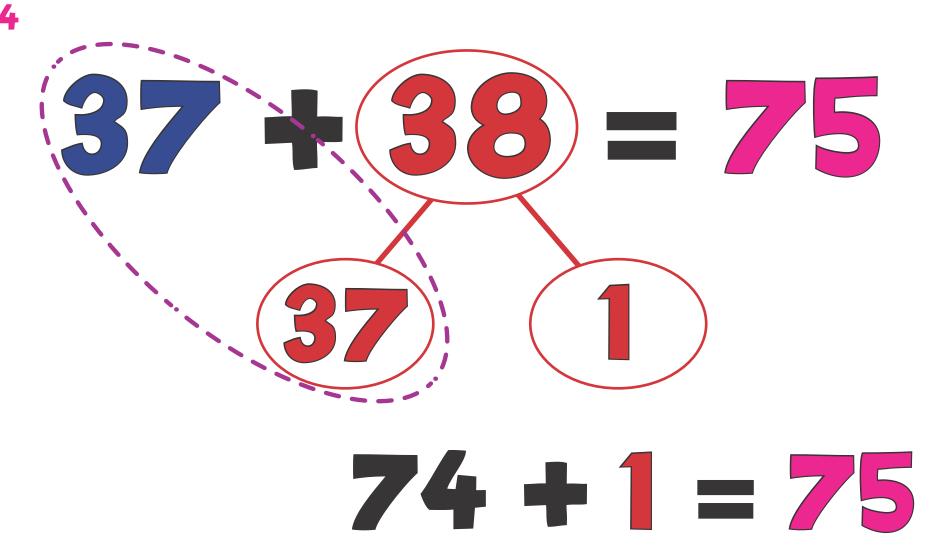


MA5: Double & Adjust



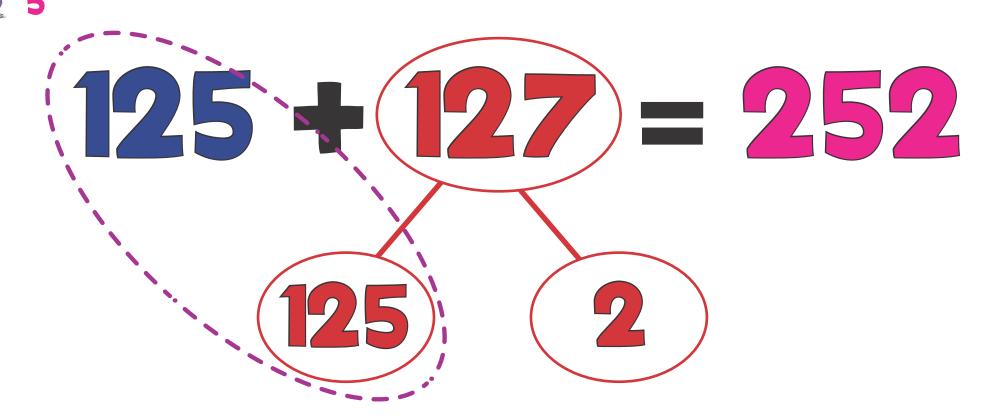






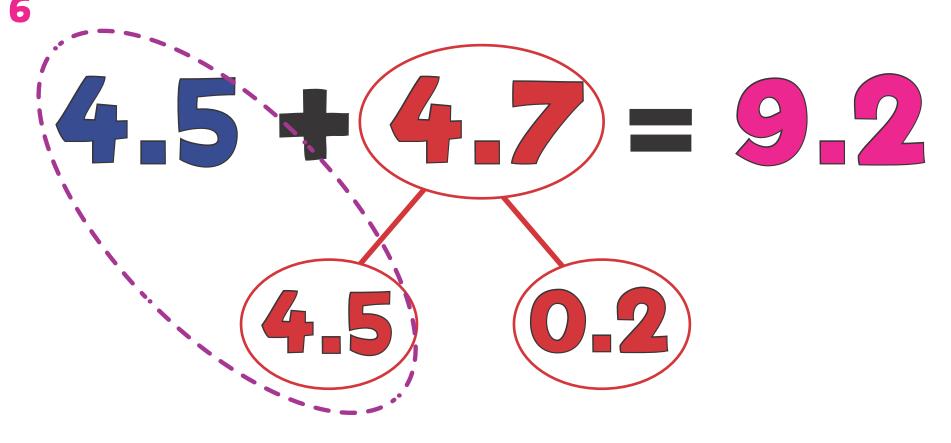






250 + 2 = 252





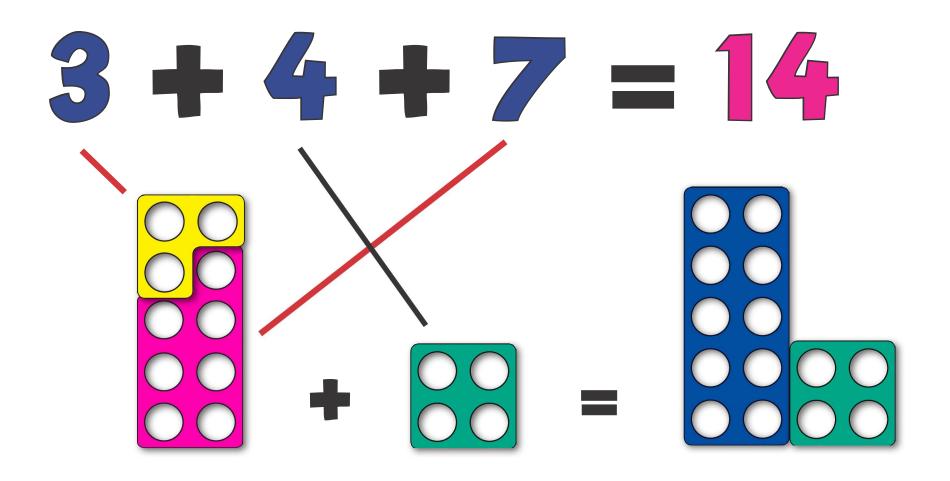
9 + 0.2 = 9.2





MC RaPa CoDa Numbo MC RaPa CoDa Numbo

MC RaPa CoDa Numbo Visualisation MC RaPa CoDa Numbo Visualisation





MA6: Number Bonds

MC RaPa CoDa Numbo

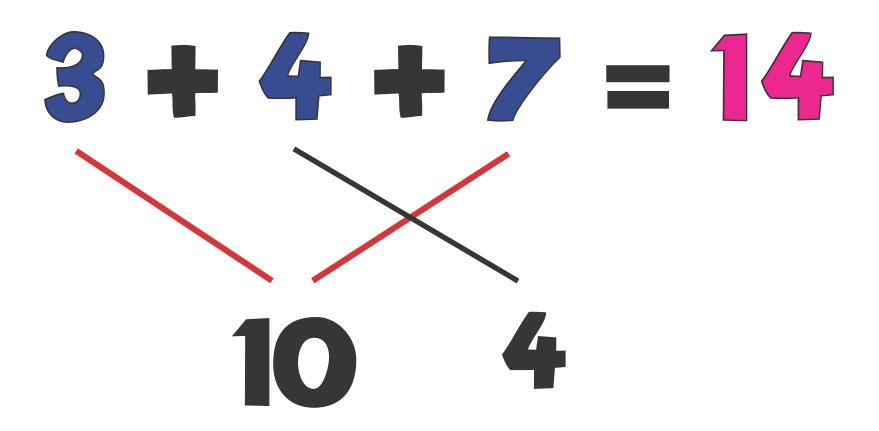
Learn Bonds

0	+ 000000000	10
1	0 + 00000000	9
2	00 + 000 00000	
3	000 + 000000	7
4	0000 + 00000	6
5	00000 + 00000	5
6	00000 + 0000	4
7	0000000 + 000	3
8	0000000 + 00	2
9	00000000 + 0	1
10	000000000 +	0

0 + 10	= 10
1+9	= 10
2+8	= 10
3+7	= 10
4+6	= 10
5 + 5	= 10
6+4	= 10
7+3	= 10
8+2	= 10
9+1	= 10
10 + 0	= 10



MC RaPa CoDa Numbo MC RaPa CoDa Numbo

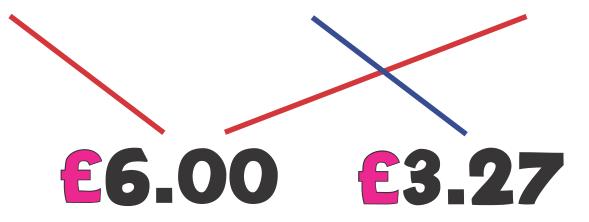


MC RaPa CoDa Numbo 2 Numbo Bonds

MC RaPa CoDa Numbo 4 MC RaPa CoDa Numbo

MC RaPa CoDa Numbo MC RaPa CoDa Numbo

£4.56 + £3.27 + £1.44 = £9.27







24.25 + 31.63 + 21.75 = 77.63

