Mental Maths Challenge: The Map

	COPPER		BRONZE		SILVER		GOLD		PLATINUM
1	**Easy Doubles** *(double 9….20…..400)*	1	**Harder Doubles** *(double 19…..420)*	1	**Even Harder Doubles (**double 83….420)	1	**Applying Doubles** *(18×4 is double 9×4)*	1	**Doubling decimals** *(double 1.6…..1.07)*
2	**Looking for 10s** *(8+5+2; 80+70+30)*	2	**Odd halves with fractions** *half of 7….27)*	2	**Mixed Doubles and Halves**	2	**Halving ODD numbers** *(half of 15…107)*	2	**÷5 and 1/5 is double ÷10** *(68÷5…..1/5 of 19)*
3	**Easy Halves** *(half of 8….30….120)*	3	**Bridging multiples of 10 - addition** *(17+5; 28+4; 139+7)*	3	**Combining tables with x10** *(70×6)*	3	**Equivalent Measures** *(750g…50mm ….½ of 1kg …¼ of1litre.)*	3	**Percentages *(1)*** *(10%...50%...25%.)*
4	**Harder Halves** *(half of 42….1600)*	4	**Small differences** *(61-57; 103-96; 1020-995)*	4	**×20 is ×2 then ×10** *(20× 30…×54)*	4	**Negative numbers** *(-3° rises 2° ……..2° falls 3°)*	4	**Dreadful doubles** *(double 368)*
5	**Change from £1** multiples of 5p *(£1-30p; £1-45p)*	5	**Bridging multiples of 10 - subtraction** *(13-5; 126-8)*	5	**×4 is doubling, twice** *(4× 13….×32)*	5	**÷4 and ¼ is halving, twice** *(¼ of 10…128÷4)*	5	**Percentages *(2)*** *(5%...20%....60%.... of money)*
6	**Bonds of 1000** *(1000-800, 1000 -250)*	6	**Adding near multiples of 10 (*1*)** *(27+9; 35+19;)*	6	**÷10** *(123÷10…14÷10)*	6	**Rounding money (x)** *(£1.99p×3)*	6	**Division with decimals** *(40÷0.8…)*
7	COPPER MIXTURE	7	**Fractions of money** *(1/4 of £8)*	7	**Fractions of numbers** *(2/5 of 20)*	7	**Partitioning (2)** *(23×7)*	7	**What's the change from…?** *(-3° to 2°…7 to -2)*
		8	**Change from £1** *(£1-17p; £1-69p)*	8	**Partitioning (1)** *(13×8)*	8	**×5 is half of x10** *(5× 38….0.9)*	8	**Percentages *(3)*** *(15%...75%.)*
		9	BRONZE MIXTURE	9	**Rounding money (+/-)** *(£2.99+£1.99; £5-£3.99)*	9	**Find the Average** *(of 5,1,7,3; 20,50,20;)*	9	**Rounding to Estimate** *(29x61…)*
				10	**Adding near multiples of 10 (*2*)** *(123+38; 536+190)*	10	**Same Difference or Compensating** *(23-9; 83-38; 165-48)*	10	**Percentage discounts** *(5%...10% …25% off)*
				11	SILVER MIXTURE	11	GOLD MIXTURE	11	PLATINUM MIXTURE