Mental Maths Puzzles Compendium – Order of Sets

Doubling and Halving

1. Doubling up to 100 where the units digit is less than five
2. Halving from 100 where the number in the tens column is even
3. Doubling and halving multiples of 5 up to 200
4. Doubles up to 100 where the units number crosses the tens barrier
5. Halving from 200 where the tens number is odd
6. Doubles up to 200 where the tens and/or hundreds barrier is crossed
7. Doubling and halving multiples of 50
8. Doubling multiples of 10 and 100
9. Halving multiples of 10 and 100
10. Near doubles

Addition and subtraction

11. Adding to the next multiple of 10
12. Adding multiples of 10 to 2 and 3 digit numbers
13. Subtracting multiples of 10 from 2 or 3 digit numbers
14. Adding 9
15. Subtracting 9
16. Adding 11
17. Subtracting 11
18. Adding near multiples of 10 (39, 71 etc)
19. Subtracting near multiples of 10 (39, 71 etc)
20. Subtracting small differences (3003-2992)
21. Subtracting larger differences (7003-2992)

Multiplication and division

22. Multiplying whole numbers by 10 and 100
23. Dividing whole numbers by 10 and 100
24. Multiplying and dividing whole numbers by 1000
25. Multiplying decimals by 10, 100 and 1000
26. Dividing decimals by 10, 100 and 1000
27. Multiplying and dividing by 4
28. Multiplying and dividing by 8
29. Multiplying and dividing by 16
30. Multiplying and dividing by 20
31. Multiplying and dividing by 5
32. Multiplying by 9
33. Multiplying by 11
34. Multiplying by 19
35. Multiplying by 21
36. Multiplying by 12
37. Multiplying by 24
38. Multiplying by and dividing 50
39. Multiplying by and dividing 25
40. Multiplying by 51
41. Multiplying by 49