Partitioning **Answers**

42 = 20 + 22

42 = 10 + 32

57 = 40 + 17

57 = 30 + 27

57 = 20 + 37

57 = 10 + 47

68 = 60 + 8

68 = 50 + 18

68 = 40 + 28

68 = 30 + 38

68 = 20 + 48

68 = 10 + 58

Partitioning

How many ways can you partition these numbers?
The first two have been done for you.

42 = 40 + 2

42 = 30 + 12

42 = [   ]

42 = [   ]

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57 = 50 + 7

57 = [   ]

57 = [   ]

57 = [   ]

57 = [   ]

68 = [   ]

68 = [   ]

68 = [   ]

68 = [   ]

68 = [   ]

Parents: 'Partitioning' a number means splitting it up into the values of its digits. A key skill in year 2 is to understand that you can partition a number into different combinations of tens and ones. For example, 37=30+7, 37=20+17, 37=10+27. To show true mastery, children should begin to organise their work methodically. It will help understanding, if your child has materials to work with – 10p and 1p coins are useful as they can move them around and get an idea of the different ways to split the number. Help your child to see the patterns – the tens digit of the first number decreases as the tens digit of the second number increases.