Calculation Patterns

- This activity is designed to encourage children to identify similarities in related calculations and use these to calculate in the most efficient way.
  - For example:

    13 + 5 = 18

    14 + 5 = ?

    "The both number sentences are addition and they are both adding 5 to the first number.

    The first number in the second number sentence is one more than the first number in the other number sentence.

    The answer must be one more than the answer of the first number sentence.

- Look for patterns in these sets of calculations and complete them.

- Explain the patterns and **why** they appear to a friend or the teacher.

10 = 10 + 0	10 − 9 = __	20 − 9 = __	20 − 19 = __
10 = 9 + __	10 − 8 = __	20 − 8 = __	20 − 18 = __
10 = 8 + __	10 − 7 = __	20 − 7 = __	20 − 17 = __
10 = 7 + __	10 − 6 = __	20 − 6 = __	20 − 16 = __
10 = __ + 4	10 − 5 = __	20 − 5 = __	20 − 15 = __
10 = __ + 5	10 − 4 = __	20 − 4 = __	20 − 14 = __
10 = __ + 6	10 − 3 = __	20 − 3 = __	20 − 13 = __
10 = __ + 7	10 − 2 = __	20 − 2 = __	20 − 12 = __
__ = 2 + 8	10 − 1 = __	20 − 1 = __	20 − 11 = __
__ = 1 + 9	10 − 0 = __	20 − 0 = __	20 − 10 = __
__ = __ + __			

1 + 2 = __	10 + 1 = __	10 - __ = 4	10 - __ = 4
2 + 3 = __	20 + 1 = __	11 - __ = 4	11 - __ = 5
3 + 4 = __	30 + 1 = __	12 - __ = 4	12 - __ = 6
4 + 5 = __	40 + 1 = __	13 - __ = 4	13 - __ = 7
5 + 6 = __	50 + 1 = __	14 - __ = 4	14 - __ = 8
6 + 7 = __	60 + 1 = __	15 - __ = 4	15 - __ = 9
7 + 8 = __	70 + 1 = __	16 - __ = 4	16 - __ = 10
8 + 9 = __	80 + 1 = __	17 - __ = 4	17 - __ = 11
9 + 10 = __	90 + 1 = __	18 - __ = 4	18 - __ = 12
10 + 11 = __			
11 + 12 = __			