Year 2 Investigations – Combinations of Amounts
Teacher Guide

National Curriculum Objectives:

Mathematics Year 2: (2C6) Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers

Mathematics Year 2: (2N1) Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward

Teaching notes:

This investigation is about finding combinations of multiples of 2, 5 and 10 or 2, 3 5 and 10 to make a given number. The two different investigations you can carry out are:
1. Combinations of 2, 5 and 10 to make 35.
2. Combinations of 2, 3, 5 and 10 to make 46.

Use the question prompts if your pupils require some hints.

More Year 2 Maths Investigation resources.

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Year 2 Investigations – Combinations of Amounts

1. Combinations of 2, 5 and 10 to make 35.

Ideas for concrete resources to provide:

- Objects to bundle (straws, lolly sticks)
- Numicon representing 2, 5 and 10

Question prompts:

- Counting up in steps of 2, 5 and 10 from zero
- Counting on in steps of 2, 5 and 10 from non-multiples
- What two multiples add to make 35?
- Can you represent this question with a part whole model or bar model?

2. Combinations of 2, 3, 5 and 10 to make 46.

Ideas for concrete resources to provide:

- Objects to bundle (straws, lolly sticks)
- Numicon representing 2, 3, 5 and 10

Question prompts:

- Counting up in steps of 2, 3, 5 and 10 from zero
- Counting on in steps of 2, 3, 5 and 10 from non-multiples
- What two multiples add to make 46?
- Can you represent this question with a part whole model or bar model?