

Make my number

Make my number - Overview

This program allows children to choose pairs of numbers to add, subtract, multiply or divide. You can set challenges such as: find pairs of numbers that total 20; what calculation gives you the closest answer to 50; find calculations where the answer ends in 3.

Pupils should talk in pairs/work individually on whiteboards to try out their ideas. You can then check children's suggestions on the interactive whiteboard.

This program can be used to practise number facts and calculation strategies, to explore properties of number or to practise approximating answers.

There are 6 versions:

- Set A: 2-digit numbers Set B: single-digit numbers
- Set A: 2-digit numbers Set B: 2-digit numbers
- Set A: 3 digit numbers Set B: 3-digit numbers
- Set A: decimals with 1 decimal place Set B: decimals with 1 decimal place
- Set A: decimals with 2 decimal places Set B: decimals with 2 decimal places
- Blank grids for set A and set B so that you can type in your own numbers

Make my number - How to use

The screenshot shows the 'Make my number' program interface. It features three main sections: 'Select an 'A' number' (orange grid), 'Select an operation' (dropdown menu), and 'Select a 'B' number' (yellow grid). A 'New Numbers' button is located in the top right. Below these sections, a calculation is displayed: A (22) + B (7) = Answer (29). A 'Click box to show or hide answer.' button is positioned below the answer box. The interface is annotated with several callouts:

- Select one orange number and one yellow one.** (Points to the 'A' and 'B' number grids)
- Select an operation symbol from this list.** (Points to the operation dropdown menu)
- Click here for a new set of numbers** (Points to the 'New Numbers' button)
- Click on the answer box to show or hide the answer.** (Points to the 'Click box to show or hide answer.' button)
- Selected numbers will appear in the calculation.** (Points to the calculation display)

Make my number - Key questions and prompts

- Find as many calculations as you can that have an answer between (100) and (200). How did you identify these? (encourage children to approximate)
- Find calculations where the answer ends in (6). How did you go about this?
- Your target answer is (50). How close can you get?
- Which division calculations will give a whole number answer?
- Suggest some calculations that give an even answer.