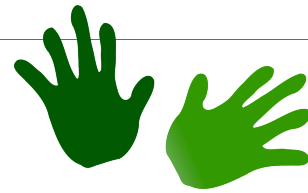


Investigation

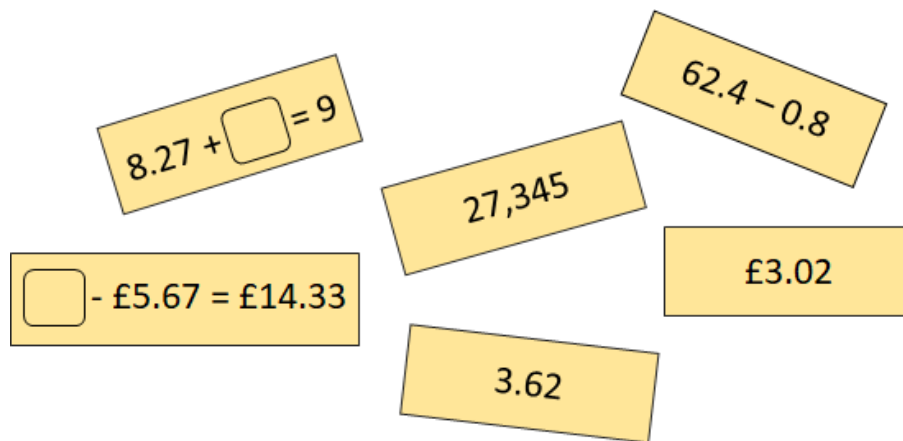
Quick calculations

Things you will need:

- Mental addition and subtraction cards



- To prepare for this challenge cut up and shuffle both sets of 'Mental addition and subtraction cards' (questions **and** answers) then spread them **all** out, face up, on a table.



- There are 21 questions!
Predict how many questions and answers you can match in 5 minutes!
- Using a clock/watch/timer to check, match as many questions and answers as you can in 5 minutes.
- How close was your prediction?
- Repeat. Can you match them all this time, or beat your previous time if you matched them all first time?
- Are there any that you find tricky? Put those aside and see if you can find all of the others in 5 minutes. Think about what strategies help with these questions before trying again with the tricky ones.



Challenge

Write six more of your own questions which use pairs to 100, including £1 (e.g. 27p + 73p) and 1 (e.g. 0.41 + 0.59). Include examples with empty boxes in the first and second positions, e.g.

$$\square + 27\text{p} = \text{£}1$$

$$1 = 0.41 + \square$$

Investigation
Mental addition and subtraction cards



$$8.27 + \square = 9$$

$$45,703 - 5003$$

$$£6.48 + \square = £10$$

$$62.4 - 0.8$$

$$\square + 0.47 = 1$$

$$£5 - \square = £3.79$$

$$45,703 - 5700$$

$$\square - 0.46 = 2.54$$

$$7.34 + \square = 10$$

$$£2.75 + 27p$$

$$£8.35 - 37p$$

$$£10 - \square = £5.31$$

$$20,305 + 7040$$

$$23.6 + 0.7$$

$$3.7 + \square = 4.3$$

$$\square - £5.67 = £14.33$$

$$\square + 0.38 = 4$$

$$2.78 + 0.23$$

$$8.54 - 0.55$$


$$43,241 + 20,005$$

$$34,030 + \square = 34,738$$



Investigation

Mental addition and subtraction cards



2.66	3.62	24.3
0.6	0.73	0.53
£7.98	27,345	7.99
40,700	£20	£3.52
63,246	40,003	708
61.6	3	£1.21
£3.02	£4.69	3.01

