

Addition

When we work out answers in our head we often do them in a different way than on paper.

Eg

$$37 + 45$$



I start with the TENS.
30 and 40 make 70
Add on 7 makes 77
(I use my fingers to add on another 5
but don't tell anyone!)
77 + 5 makes 82

Try to work all these out in your head. Only put the answer down on paper - do not do any working out on paper.

1. $33 + 42$

2. $54 + 23$

3. $11 + 25$

4. $17 + 40$

5. $19 + 80$

6. $35 + 35$

7. $42 + 38$

8. $53 + 17$

9. $24 + 26$

10. $55 + 25$

11. $87 + 13$

12. $28 + 32$

13. $19 + 51$

14. $48 + 7$

15. $37 + 7$

16. $56 + 15$

17. $28 + 38$

18. $37 + 27$

19. $49 + 19$

20. $59 + 18$

4401-05 Mentally add two 2-digit numbers (pg 1) Answers

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1. 75 2. 77 3. 36 4. 57 5. 99 6. 70 7. 80 8. 70 9. 50 10. 80
11. 100 12. 60 13. 70 14. 55 15. 44 16. 71 17. 66 18. 64 19. 68 20. 77

It is important that children have real confidence with adding any two one digit numbers (e.g. 4 and 5) and that they know these in a similar way to knowing their tables. Constant recall of these simple facts will make larger mental addition much easier.

Strategies for carrying out mental addition need to be discussed frequently - for example, we often start with the tens or hundreds when calculating mentally - the opposite of what is expected when writing a sum down.

Children are also expected to understand that subtraction is the opposite of addition and that it can be used to check addition questions.

Where calculators are used the child should make an estimate of the answer first.