

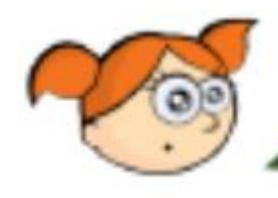
Mental and Written Addition and Subtraction

Vocabulary

add, addition, plus, sum, altogether, how many more to make...? subtract, subtraction, minus, take away, difference between, how many more/less than...?, inverse, powers, indices

Class 6 are trying to find the total of 3,912 and 3,888

Alex



We just need to double 3,900

Is Alex correct? Explain.





I used the column method.

Tommy



I used my number bonds from 87 to 100 then from 1,300 to 2,000

Jack



I subtracted one from each number and then used the column method.

Whose method is most efficient?

What clues tell you that these calculations should be performed mentally?	
2.31 + 15.64	
243 561 – 243 543	
5.7 + 3.9	

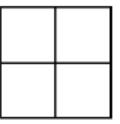
Addition and Subtraction – Mental or Written?

- Work out these calculations without a calculator.
- · For each question, decide whether you:
 - Can do it in your head.
 - Need some jottings to help you to get the answer.
 - Need to use a written method.
- 523 + 98
- 436 + 25
- 345 + 457 +789
- 716 + 897
- 1076 + 57
- 6. 674 233
- 7. 547 289
- 8. 1784 98
- 9. 6052 1567
- 10. 7894 8792 + 2358

Make 200

1 2 3 4 5 6 7 8 9

Choose four of these digits. Each one must be different. Put one digit in each box.



This makes two 2-digit numbers reading across and two 2-digit numbers reading down.

Add up all four of the numbers.

In this example the total is 100.

1	2
4	7

How many different ways of making 200 can you find?

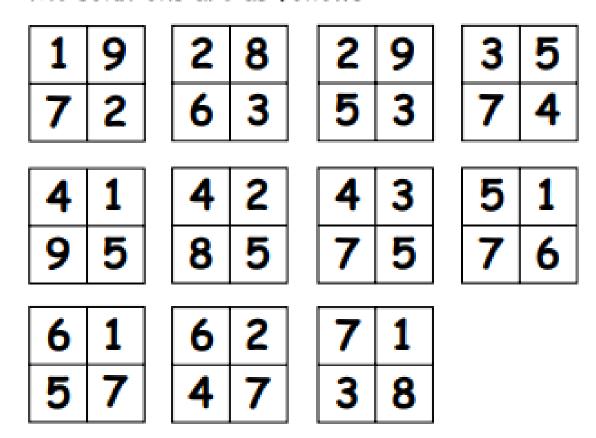
Teaching objectives

Solve mathematical problems or puzzles. Know what each digit represents. Add several two-digit numbers.



83 Make 200

There are 22 different solutions. Eleven of the solutions are as follows:



Eleven more solutions are formed by changing over the two digits in the top right and bottom left boxes.

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