

## Maths Mastery Addition and Subtraction Challenge Cards

1. Fill in the missing digits.

$$1 \square 5 \square + 700 = 1959$$

$$5 \square 28 - 440 = 4788$$

$$1 \square 2 + 6 \square = 200$$

# Y4 Task

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2. Use your maths skills to explain which of these signs should go in the boxes.



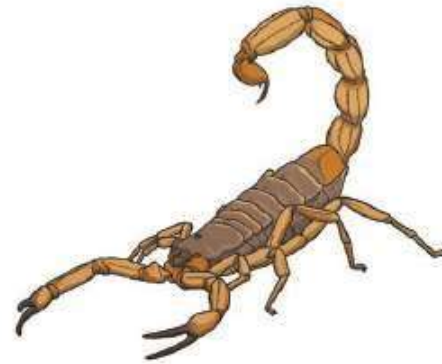
$$2416 + 15 + 15 \quad \square \quad 2416 + 30$$

$$1904 - 904 \quad \square \quad 1914 - 924$$

$$2046 - 39 + 42 \quad \square \quad 2134 - 49 + 21$$

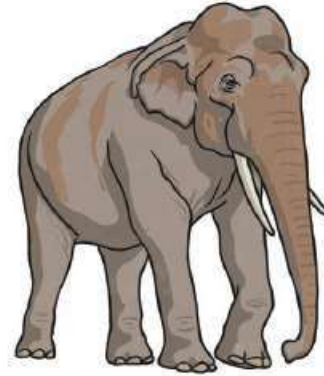
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3. Use the digits 1 to 9 (once only) to make three 3-digit numbers. Your mission is to make the total as close to 1500 as you can.




4. Using these numbers in any order: 2,3,4  
What is the largest answer you can get by adding them together?

Example:  $24 + 3 = 27$



5. Choose four consecutive numbers between 0 and 9.

Now, put + or - signs in between the numbers. Repeat, putting the + and - signs in different places. What are all the different ways of putting + and - in? Now, solve the answers for each calculation. What do you notice?

Example:  $4 + 5 + 6 + 7 =$

Next, repeat with other sets of four consecutive numbers. Does anything surprise you? Can you predict the answers?

# Y3 Task

How old is Grandad?

Sally asked her Grandad how old he was.

This was his answer:

"I have 6 children, and there are 4 years between each child. I had my first child when I was 21. Now the youngest one is 21 himself. Can you work out my age?"

How old is Sally's Grandad?



7. Choose four digits. Put one digit in each box. Read the new two-digit numbers they make. Add all the four, 2-digit number together and see if they make 100.

2	6
4	8

 $26 + 24 + 48 + 68 = 166$




Can you work your magic to show how the 4 2-digit numbers were created – reading left to right 26, 48 and up to down 24, 68?

Can you make 100 using your choice of digits? Find four different digits that result in a total of 100.

Maths Flip - Play maths games

<http://www.mathematicshed.com/warm-up-shed.html>

### Who is the imposter?

 $12 \times 11 = 132$	 $00 - 425 = 375$
 $2 + 766 = 1,128$	 $28 \times 6 = 166$
 $96 \div 6 = 16$	 $1/8 + 4/8 = 5/8$