

Addition and Subtraction Maths Mastery Challenge Cards



Maths Mastery Addition and Subtraction Challenge Cards

1. Fill in the missing digits.

$$\begin{array}{r} 1 \square 5 \square + 700 = 1959 \\ 5 \square 28 - 440 = 4788 \\ 1 \square 2 + 6 \square = 200 \end{array}$$

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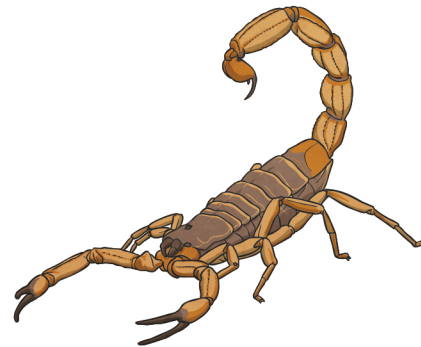
2. Use your maths skills to explain which of these signs should go in the boxes.



$$\begin{array}{l} 2416 + 15 + 15 \square 2416 + 30 \\ 1904 - 904 \square 1914 - 924 \\ 2146 - 39 + 42 \square 2134 - 49 + 21 \end{array}$$

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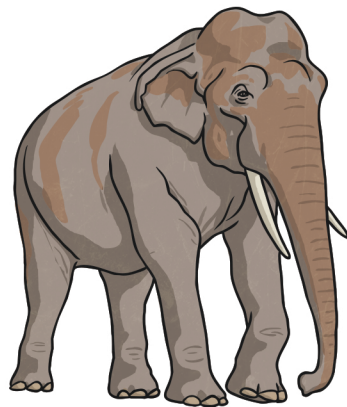
3. Use the digits 1 to 9 (once only) to make three 3-digit numbers. Your mission is to make the total as close to 1500 as you can.



$$\begin{array}{r} \square \square \square \\ \square \square \square \\ + \square \square \square \\ \hline \square \square \square \square \end{array}$$

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 negative consecutive numbers between -1 and -10. Place a - and/or a + sign between each one, and add them together.

What do you notice about the answers?

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

Try different negative consecutive numbers.

Can you predict the answers?

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.