

**Term 3 Week 1 Maths Homework**  
**Due: Wednesday 15<sup>th</sup> January 2024**

<b>B</b>	<b>Brackets</b>
<b>I</b>	<b>Indices</b>
<b>M</b>	<b>Multiplication</b>
<b>D</b>	<b>Division</b>
<b>A</b>	<b>Addition</b>
<b>S</b>	<b>Subtraction</b>

**Order of Operations**

Different parts of a calculation need to be done first, in order to ensure you arrive at the right answer. When working out the correct order of operations for mathematical calculations, you can use the acronym BODMAS or BIDMAS to help you remember. Each letter helps you to remember the order in which you should tackle any given calculation.

**Use BIDMAS or BODMAN to answer the questions below.**

There are extra challenges available at the end. These are not compulsory but are there if you would like the extra challenge.

<b>B</b>	<b>Brackets</b>
<b>O</b>	<b>Order</b>
<b>D</b>	<b>Division</b>
<b>M</b>	<b>Multiplication</b>
<b>A</b>	<b>Addition</b>
<b>S</b>	<b>Subtraction</b>

1) $(12 + 8) \div 4 =$ <input type="text"/>	2) $(5^2 + 10) \div 5 =$ <input type="text"/>	3) $(8 + 9) + 6^2 =$ <input type="text"/>
4) $4 \times 6 - 14 =$ <input type="text"/>	5) $18 \div (4 + 5) =$ <input type="text"/>	6) $(21 - 9) \times 2 =$ <input type="text"/>
7) $8 \times 3 + 6 =$ <input type="text"/>	8) $3 \times (15 - 9) =$ <input type="text"/>	9) $6^3 - (35 + 12) =$ <input type="text"/>
10) $(14 + 21) \div 5 =$ <input type="text"/>	11) $(8 + 13) \div 7 =$ <input type="text"/>	12) $25 - 11 \times 2 =$ <input type="text"/>

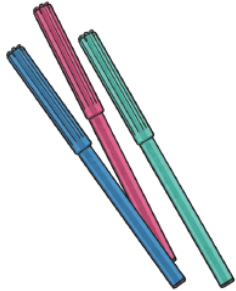
1) $(3 + 6) \times (8 - 5) =$ <input type="text"/>	2) $7 + 8 \times 9 - 4 =$ <input type="text"/>
3) $8 \times (6 + 3) + 5 =$ <input type="text"/>	4) $(19 - 7) + 8^2 + 9 =$ <input type="text"/>
5) $9 \times (5 + 6) + 4 =$ <input type="text"/>	6) $8 \div (7 - 5) \times 6 =$ <input type="text"/>

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**Challenge**

Would you like to challenge yourself further? Try these questions below.

1. Put brackets into these number sentences so they are true:



$$15 + 7 \times 4 = 88$$

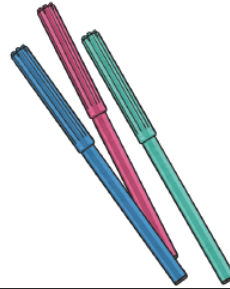
$$18 - 9 - 2 = 11$$

$$8 \times 4 - 2 \times 5 = 22$$

$$16 \div 8 - 4 = 4$$

$$9 + 12 \div 7 - 4 = 7$$

2. Complete these number sentences by putting in operations.



$$5 \square 4 \square 6 = 7$$

$$5 \square 4 \square 6 = 3$$

$$5 \square 4 \square 6 = 29$$

$$5 \square 4 \square 6 = 15$$

$$5 \square 4 \square 6 = 26$$

3. How many different ways can you write a number sentence using the numbers 2, 3, 4 and 5, where the answer is 10? Use any operation, but each number can only be used once in any number sentence.

What about using a 6 as well?

Or try 4 other numbers and a different total.



4. How many different answers can you make using the numbers 3, 4 and 5 to create different number sentences?

a. Using 1 operation.

b. Using two operations but no brackets.

c. Using two operations with brackets, with answers not found with using no brackets.

