

## Bodmas

| B | Brackets | $10 \times(4+2)=10 \times 6=60$ |
| :--- | :--- | :---: |
| O | Order | $5+2^{2}=5+4=9$ |
| D | Division | $10+6 \div 2=10+3=13$ |
| M | Multiplication | $10-4 \times 2=10-8=2$ |
| A | Addition | $10 \times 4+7=40+7=47$ |
| S | Subtraction | $10 \div 2-3=5-3=2$ |

## Bidmas

| B | Brackets | $10 \times(4+2)=10 \times 6=60$ |
| :---: | :--- | :---: |
| I | Indices | $5+2^{2}=5+4=9$ |
| D | Division | $10+6 \div 2=10+3=13$ |
| M | Multiplication | $10-4 \times 2=10-8=2$ |
| A | Addition | $10 \times 4+7=40+7=47$ |
| S | Subtraction | $10 \div 2-3=5-3=2$ |

## Brackets

## Calculate anything in brackets first.

$$
10 \times(4+2)=10 \times 6=60 \text { not } 10 \times(4+2)=40+2=42
$$

Compare these calculations:

$$
\begin{array}{llll}
10 \div(2+3)= & 10 \div 5=2 & 10 \div 2+3= & 5+3=8 \\
(6+2) \times 8= & 8 \times 8=64 & 6+2 \times 8= & 6+16=22
\end{array}
$$

## Order / Indices

This relates to powers or roots of numbers (squared, cubed etc.). Calculate powers or roots before multiplication/division/addition/subtraction.

$$
5+2^{2}=5+4=9 \text { not } 5+2^{2}=7^{2}=49
$$

Compare these calculations:

$$
10-2^{3}=\quad 10-8=2
$$

$$
(10-2)^{3}=\quad 8^{3}=512
$$

$$
12+\sqrt{ } 4=\quad 12+2=14
$$

$$
\sqrt{ }(12+4)=
$$

$$
\sqrt{ } 16=4
$$

## Division and Multiplication

Division and multiplication come before addition and subtraction.

$$
\begin{gathered}
10+6 \div 2=10+3=13 \text { not } 10+6 \div 2=16 \div 2=8 \\
10-4 \times 2=10-8=2 \text { not } 10-4 \times 2=6 \times 2=12
\end{gathered}
$$

Compare these calculations:

$$
\begin{array}{c|c|c|c}
\hline 12-2 \times 5= & 12-10=2 & 12-2 \times 5= & 10 \times 5=50 \\
\hline 8+10 \div 2 & 8+5=13 & 8+10 \div 2= & 18 \div 2=9
\end{array}
$$

## Calculate

Use the following numbers to make the answers below remembering the order of operations:

## 2 <br> 3

5

11

$$
5+3 \times 2
$$

4
$(5+3) \div 2$ or
$(5-3) \times 2$

21
$(5+2) \times 3$
6
$5-2+3$

## Can you make your own?

## Calculate

Use the 3 circled numbers to create a calculation with the answers below:

| 2 | 6 |
| :---: | :---: |
| 28 | $(6-2) \times 7$ |
| 40 | $6 \times 7-2$ |
| 1.5 | $(2+7) \div 6$ |
| 26 | $(6+7) \times 2$ |
| 10 | $6 \div 2+7$ |


| 3 | 4 |
| :--- | :--- |
| 7 | $9 \div 3+4$ |
| 33 | $4 \times 9-3$ |
| 39 | $(9+4) \times 3$ <br> or $4 \times 9+3$ |
| 24 | $(9-3) \times 4$ |
| 63 | $(3+4) \times 9$ |

Can you make your own?

## Calculate

Use the 3 circled numbers to create a calculation with the answers below:

| 2 | 5 |
| :--- | :--- |
| 24 | $(5-2) \times 8$ |
| 20 | $(8 \times 5) \div 2$ |
| 26 | $(8+5) \times 2$ |
| 50 | $(8+2) \times 5$ |
| 2 | $(8+2) \div 5$ |
| Can you make your own? |  |


| 3 | 7 |
| :--- | :--- |
| 120 | $(7+3) \times 12$ |
| 43 | $3 \times 12+7$ |
| 11 | $12 \div 3+7$ |
| 3 | $12 \div(7-3)$ |
| 57 | $(12+7) \times 3$ |

Can you make your own?

## Calculate

Use the 3 circled numbers to create a calculation with the answers below:

| 2 | $2 \div(10-9)$ |
| :--- | :--- |
| 2 | $(10+9) \times 2$ |
| 38 | $9 \times 2+10$ |
| 88 | $10 \times 9-2$ |
| 110 | $(9+2) \times 10$ |

Can you make your own?


