## Baldragon Academy

National 3 Maths

## Checklist

Contents:
Manage Money and Data
Income and Expenditure ..... 2
Savings ..... 3
Best Deal ..... 3
Statistics ..... 4
Shape, Space and Measurement
Perimeter, Area and Volume ..... 5
Distance and Direction ..... 7
Time ..... 8
Patterns ..... 10
Numeracy
Fractions and Percentages ..... 11
Proportion ..... 11
Measurement ..... 12

# REMEMBER: To write money correctly we MUST use a $£$ sign and make sure that there are 2 numbers after the decimal place (1.5 = £1.50, $0.081=£ 0.08$ ) 

| Topic | Skills | Note <br> s |  |
| :--- | :--- | :--- | :--- |

Income and Expenditure


|  | Rachel has to pay a 20\% tax on her pay of $£ 400$. <br> What will her pay actually be after tax? <br> Tax = 20\% of $£ 400=£ 400 \div 100 \times 20=£ 80$ <br> Actual Pay = £400 - £80 = £320 |  |  |
| :--- | :--- | :--- | :--- | :--- |



## Statistics





## Shape, Space and Measure

| Topic | Skills |
| :--- | :--- |
| Perimeter, Area, and Volume |  |



|  | h = height <br> Example: <br> Calculate the volume of the cuboid |  |  |
| :--- | :--- | :--- | :--- | :--- |

## Distance and Direction

| Bearings | Bearings |  |  |
| :--- | :---: | :---: | :---: |





|  | The bus takes 13 minutes to travel from the city <br> centre to the airport. So if Liam catches the bus <br> at 14:20 he will arrive at the airport at 14:33 |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Patterns |  |  |  |
| Picture <br> Patterns | Can you see that that 5 th pattern in the sequence <br> would contain 13 boxes? <br> We add 3 boxes, 1 to the top, 1 to the left, and 1 <br> to the right, in order to carry on the pattern. |  |  |



## Numeracy

## Topic Skills <br> Fractions and Percentages



## Proportion

Calculating a Multiple When Given the Value of 1

If we know the value of 1 quantity, we can multiply to find the value of more than 1

## Example:

A ready meal factory can make an average of 300 ready meals a day. How many ready meals could be made in 10 days?



