

# National 3 - Revision for Manage Money & Data Unit

\*\*You may use a calculator\*\*

## Hourly Rate

1. Calculate the pay earned for:
  - a 8 hours at £11.35 per hour
  - b 6½ hours at £7.52 per hour
2. Annette sees this job advertised on an internet site.  
How much is the weekly pay for this job?

PAY: £10.36 per HOUR	
GENERAL PRACTICE NURSE	<a href="#">Further info</a>
WEEKLY HOURS: 34	

## Bonus Pay

3. Angela works in an electronics factory.  
She earns a basic wage for making 25 circuit boards a day.  
She has the chance to make extra money.  
For every circuit board over 25 completed in a day, she is paid £6.50 per board.  
How much extra pay does Angela earn on a day that she complete 29 boards.
4. Gordon works off-shore as a welder on the oil rigs in the North Sea.  
He is paid £900 per week.  
After working for a year, he receives a bonus of an extra month's pay.  
How much is his bonus if we assume that a month has 4 weeks?

## Wage Slips

5. Complete the net pay on the pay slips below.

a

<b>Gross pay</b>	£984.24
<b>Deductions</b>	£106.58
<b>Net pay</b>	

b

<b>Gross pay</b>	£1274.67
<b>Deductions</b>	£358.29
<b>Net pay</b>	

6. For each of the following taxable amounts, calculate the amount of income tax to be paid.

The basic rate of income tax is 20%

- a £32000
- b £19450

## Budgeting

7. Complete the following table.

The first column is done for you.

	a	b	c	d
Income	£245	£336	£241	£349.28
Expenditure	£188	£297	£307	£349.28
Surplus	£57			
Shortfall	-			

8. Andy is a shepherd. His weekly income is £345.  
He lists his weekly expenditure:

Rent and council tax	£135.70
Travel	£35.65
Food	£63.82
Sports clubs	£18.75
TV, phone and internet	£28.67
Heating and lighting	£32.80

How much is left for saving or other spending?

9. This was the monthly expenditure for the Jackson family three years ago.  
At the time their monthly income was £2600.

Mortgage	£685.00
Council tax	£135.80
Travel	£47.50
Food	£325.00
Entertainment	£125.00
Utilities	£145.70
Household items	£143.00

Since then, their expenditure has risen by 10% and the monthly family income has fallen by 5%

- What was their total expenditure three years ago?
- What was their monthly surplus three years ago?
- What is their monthly surplus now?
- How does this sort of trend lead to a recession?

## Holiday Planning

10. The table shows the budgeting the Hussein family did when planning for their summer holiday.

Flights	£870
Accommodation	£730
Transfers	£65
Insurance	£75
Spending money	£960

- a What was the total cost of the holiday?  
 b They have 40 weeks to save the money needed.  
 How much will they need to save each week?
11. The Dunlop family are budgeting for their next holiday.  
 The table gives a breakdown of costs.

Flights	£920
Accommodation	£635
Transfers	£40
Insurance	£65
Spending money	£700

They intend saving for the next 40 weeks to cover all the costs.  
 How much should be set aside each week to cover the full cost?

## Information Handling

12. Pupils were asked to name their favourite holiday destination.

Spain Italy America France  
 U.K Spain Spain Italy  
 America America Spain America  
 U.K Spain America America

- a Complete the frequency table.  
 b How many pupils chose Italy?  
 c What was the most popular holiday?  
 d How many **more** pupils chose Spain than France?  
 e How many pupils were asked to name their favourite holiday destination?

Sport	Tally	Frequency
Spain		
Italy		
America		
France		
U.K.		

13. After a month in secondary school, a group of First Year pupils were asked to name their favourite subject

Subject	Maths	English	Science	P.E.	Music	French
Number	18	7	12	6	10	2

Draw and label a neat bar-graph to represent this information.

