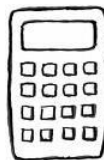


Name:

Teacher Assessment



**Section A**                      **Currency Conversions**                      **Grade D / C**

1. Bill changes £27 into Swiss francs.  
The exchange rate is £1 to 1.55 Swiss francs.

How many Swiss francs does he receive?

.....

.....

Answer ..... Swiss francs  
**(Total 2 marks)**

2. The table shows the exchange rates between different currencies.

£1 (pound) is worth 1.64 euros
\$1 (dollar) is worth 1.05 euros

- (a) Jane changes £400 into euros.  
How many euros does she receive?

.....

.....

Answer ..... euros  
**(2)**

- (b) Sonia changes 672 euros into dollars.  
How many dollars does she receive?

.....

.....

Answer ..... dollars  
**(2)(Total 4 marks)**

3. In the USA, a leather jacket costs \$96.  
The exchange rate is \$1.60 to £1.

Find the cost of the jacket in £.

.....

.....

.....

Answer £ .....  
**(Total 2 marks)**

4. In France a supermarket bill is €77.  
The exchange rate is €1.4 = £1.

Work out the cost of the bill in pounds.

.....  
.....

Answer £ .....

**(Total 2 marks)**

5. In France, Chris pays €18 for a meal.  
The exchange rate is £1 = €1.60

What is the price of the meal in pounds?

.....  
.....

Answer £ .....

**(Total 2 marks)**

6. In the Czech Republic, Boris pays 922 korunas for a meal.  
The exchange rate is 49.1 korunas to £1.

What is the cost of the meal in pounds?

.....  
.....  
.....

Answer £ .....

**(Total 2 marks)**

7. A drink in Japan costs 374 yen.  
The exchange rate is £1 = 189 yen.  
What is the cost in pounds?

.....  
.....

Answer £ .....

**(Total 2 marks)**

8. Pauline goes on holiday.  
She changes £200 into Euros (€)  
The exchange rate is £1 = €1.7

(a) How many Euros does Pauline receive for £200?

.....  
.....

Answer € .....

(2)

(b) Pauline spends one quarter of her Euros on presents.

How many Euros does she spend on presents?

.....  
.....

Answer € .....

(2)

(c) A bag is priced at €68.  
In a sale, this price is reduced by 25%.  
Pauline buys the bag.

How much does she save?  
Give your answer in pounds.

.....  
.....  
.....  
.....

Answer £ .....

(4)

(Total 8 marks)

9. Steff buys a pair of jeans in the USA.

The jeans cost \$24.99

The exchange rate is \$1.47 to £1.

How much do the jeans cost in £?

.....  
.....  
.....  
.....

Answer £ .....

(Total 2 marks)

10. The table shows some exchange rates.

£1 is worth 1.82  
American dollars

£1 is worth 194  
Japanese yen

Joanne buys a camera in America and pays 200 dollars.

Jack buys a similar camera in Japan and pays 20 370 yen.

In which country is the camera cheaper and by how much?

.....  
.....  
.....  
.....  
.....  
.....

Answer Country .....

Amount .....

(Total 4 marks)

Success:
----------

Target:
---------



5. A cyclist records the distances she travels to the nearest mile.  
One day her recorded distance is 28 miles.

Write down the least and greatest possible distance that she travelled.

.....  
.....

Answer    Least ..... miles  
              Greatest ..... miles

**(Total 2 marks)**

6. Garry runs a distance of 15 km, correct to the nearest km.

(a) Write down the minimum distance Garry could have run.

.....

Answer .....km

**(1)**

(b) Write down the maximum distance Garry could have run.

.....

Answer .....km

**(1)**

**(Total 2 marks)**

7. The Kitti's hog-nosed bat from Thailand is the smallest known mammal.  
One of these bats is 33 mm long to the nearest millimetre.  
What is its smallest possible length?

Answer ..... mm

**(Total 1 mark)**

8. (a) Alex weighs 43 kilograms to the nearest kilogram.

Write down her minimum weight.

.....

Answer ..... kilograms

**(1)**

(b) Alex's height is 130 centimetres to the nearest 10 centimetres.

Write down her minimum height.

.....

Answer ..... centimetres

**(1)**

**(Total 2 marks)**

9. The scales at an airport weigh luggage to the nearest kilogram.  
What are the greatest and least possible weights of a case showing 25 kg on the scale?

.....

Answer      Greatest ..... kg

Least .....kg

**(Total 2 marks)**

10. It takes 20 minutes to develop a roll of film. This time is to the nearest minute.

What is the least and greatest time this could be?

Answer      Least ..... minutes

Greatest ..... minutes

**(Total 2 marks)**

11. Mary says the length of a corridor is 35 m to the nearest metre.  
Habib says the length of the same corridor is 30 m to the nearest 10 metres.  
Mary and Habib are both correct.  
Give a possible value for the actual length of the corridor.

.....

.....

Answer ..... metres

**(Total 2 marks)**

12. There are 14 700 (to the nearest hundred) spectators at a football match.

(i) What is the least possible number of spectators?

Answer .....

**(1)**

(ii) What is the maximum number of spectators?

Answer .....

**(1) (Total 2 marks)**

13. Sophie spends £8 on a picture. This amount is given correct to the nearest pound.

Write down

(a) the maximum price which Sophie could have paid,

Answer £ .....

**(1)**

(b) the minimum price which Sophie could have paid.

Answer £ .....

**(1)**

**(Total 2 marks)**

14. Kirsty buys a bag that costs £25 to the nearest pound.

(a) Write the least amount that she could have paid.

.....

Answer £ .....

(1)

(b) Write the greatest amount that she could have paid.

.....

Answer £ .....

(1)(Total 2 marks)

15. This is a true statement.



Write down

(a) the minimum age that Kylie could be,

.....

Answer .....

(1)

(b) the maximum age that Kylie could be.

.....

Answer .....

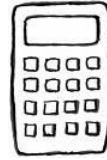
(1)

(Total 2 marks)

Success:
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Target:
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**Section C      Functional Number Problems      Grade G → D**

1. Mr Gordon pays for a family holiday.

(a) Complete his bill.

Description	Cost
2 adults @ £540 each	
3 children @ £250 each	
Hire of car for 10 days @ £20 per day	
Total	£

(3)

(b) Mr Gordon pays £240 by cheque for some foreign currency.  
The cheque below shows how he completes it.

AQA Bank Limited Manchester M15 6EX	95-31-18 123456789
	<i>Date</i> <u>5th June 2006</u>
<i>Pay</i> <u>Travel tours</u>	
<i>Amount</i> <u>Two hundred and forty pounds</u>	£ 240.00
	K Gordon

Mr Gordon also pays for the family holiday by cheque.  
Complete the cheque below in words **and** figures.

AQA Bank Limited Manchester M15 6EX	95-31-18 123456789
	<i>Date</i> <u>5th June 2006</u>
<i>Pay</i> <u>Travel tours</u>	
<i>Amount</i> _____	£
	K Gordon

(2)

(Total 5 marks)

2. Jameel is buying a dining table for £250. He pays a deposit that is half of the cost.

(a) How much is the deposit that Jameel pays?

.....  
.....

Answer £ .....

(1)

(b) Jameel will pay the remaining cost in 10 equal payments.

How much is each payment?

.....  
.....

Answer £ .....

(2)

(Total 3 marks)

3.

<p style="text-align: center;"><b>PETE'S PIZZA</b> ***** <b>£5.75 per pizza</b> <b>We deliver to your house for £2.50</b></p>
---

(a) Errol orders 3 pizzas to be delivered to his house.

How much will he pay altogether?

.....  
.....

Answer £.....

(2)

(b) Mr Patel pays £37 to have some pizzas delivered to his house.

How many pizzas did he order?

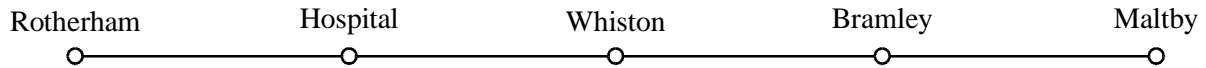
.....  
.....

Answer .....

(2)

(Total 4 marks)

4. Here is a bus route and a fares table.



	Rotherham			
Rotherham	75p			
Hospital	£1.15	54p		
Whiston	£1.42	£1.08	60p	
Bramley	£1.78	£1.35	96p	47p
Maltby				

(a) How much is the bus fare from the Hospital to Maltby?

Answer £ .....

(1)

(b) Jon travels to Rotherham from Bramley. He pays with a £5 note. How much change does he receive?

.....  
.....

Answer £ .....

(2)

(c) A child pays 35p for any journey. What is the total cost for an adult and two children to travel from Bramley to Maltby?

.....  
.....  
.....

Answer £ .....

(2)

(Total 5 marks)

5. Bethany made 150 small cakes to sell at a coffee morning. By 11.30 am she had sold 110 of the cakes at 15p each. Bethany then reduced the selling price of the remaining cakes to 10p each. She was left with 7 unsold cakes which she gave to her friends.

Find the total amount Bethany received from selling the cakes.

.....

.....

.....

.....

Answer £.....

(Total 4 marks)

6. Part of the charges sign at a museum is missing.

The total charge for one adult and two children is exactly £6.



Use the information on the sign to work out **two** different sets of possible charges for one adult and two children.

Fill in your answers on the receipts below.

.....

.....

.....

.....

.....

Museum		Museum	
Adult	.....	Adult	.....
Child	.....	Child	.....
Child	.....	Child	.....
<b>Total:</b>	<b>£6.00</b>	<b>Total:</b>	<b>£6.00</b>

(Total 4 marks)

7. (a) The cost of postage depends both on the weight of the letter and whether it is sent first class or second class.  
The table shows the cost of posting a letter.

Weight	Up to 60 g	60 g and up to 100 g	100 g and up to 150 g	150 g and up to 200 g
First Class	28p	42p	60p	75p
Second Class	20p	34p	46p	56p

Find the total cost of sending:

- three first class letters, each weighing 40 g,
- one second class letter weighing 110 g,
- and two first class letters, each weighing 175 g.

.....

.....

.....

.....

Answer £ .....

(4)

- (b) Simon buys some stamps.  
They cost him £3.74  
He pays with a £10 note.

How much change does he receive?

.....

Answer £ .....

(1)

- (c) This change is given in the smallest number of notes and coins.

How is the change given?

.....

Answer Notes .....

Coins .....

(2)

**(Total 7 marks)**

8. (a) Complete the shopping bill.

	£	p
Onions 4 kg at £0.79 per kg		
Apples 3 kg at £1.96 per kg		
Lemonade 5 bottles at £0.85 per bottle		
<b>Total</b>		

(4)

(b) Adam buys 9 pens at 57 pence each.  
He pays with a £10 note.

How much change does he receive?

.....  
.....

Answer £ .....

(2)

(Total 6 marks)

9. A school shop buys 400 pens for £36.  
The shop sells the pens for 10p each.  
How much profit does the shop make when it sells all the pens?

.....  
.....  
.....  
.....  
.....  
.....  
.....

Answer £ .....

(Total 3 marks)

10. A car dealer is offering two different schemes to buy a car. Some parts of Scheme B are missing.



**CASH PRICE £400**

Scheme A		Scheme B	
Deposit	£1200	Deposit	£800
12 monthly payments of £250	£3000	monthly payments of £150	
Total to be paid	£4200	Total to be paid	
Less cash price	£4000	Less cash price	£4000
	<hr/>		<hr/>
Cost of credit	£200	Cost of credit	£400

(a) Work out the total to be paid using Scheme B.

.....  
.....

Answer £ .....

(1)

(b) Work out the number of monthly payments using Scheme B.

.....  
.....

Answer .....

(2)

**(Total 3 marks)**

**2 courses  
for £7.95**

<b>Main Course</b>	<b>Dessert</b>
Lasagne	Gateau
Steak	Fruit
Pizza	

**When there are more than 10 people in a group there is a reduction of £1.50 per person.**

- (a) Dianne chooses Lasagne followed by Gateau.  
Her choice is shown in the table.  
List, in the table, all the possible choices of main course and dessert.

Main Course	Dessert
Lasagne	Gateau

(2)

- (b) There are 16 people in Dianne's group.  
As there are more than 10 people in the group, there is a reduction of £1.50 per person.  
Calculate the total cost of the meal for the 16 people.

.....

.....

.....

Answer £ .....

(3)

**(Total 5 marks)**

12. The cost of a new house is made up of two parts.

Cost of land	£75 000
Building cost	£130 per square foot



A house has an area of 1700 square feet.  
A builder buys the land and builds a house.  
He sells it for £350 000. How much profit is made by the builder?

.....  
.....  
.....  
.....  
.....

Answer £ .....

**(Total 4 marks)**

13. This is part of Sari's electricity bill.

<b>OHM Electricity Company</b>	
Present reading	7466 units
Last reading	6942 units
Each unit costs 4.5p	

How much does she pay?

.....  
.....  
.....  
.....

Answer £ .....

**(Total 4 marks)**

14. Sam has £1.65  
Vicki has 75p

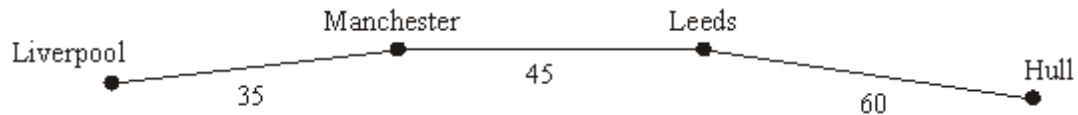
How much must Sam give Vicki so that they each end up with the same amount?

.....  
.....  
.....

Answer .....pence

**(Total 3 marks)**

15. Here is a route map of the M62 motorway.  
The distances, in miles, between four cities are shown on the map.



Complete the following table to show the distances between these cities.

<b>Liverpool</b>			
35	<b>Manchester</b>		
80		<b>Leeds</b>	
		60	<b>Hull</b>

.....

.....

.....

**(Total 3 marks)**

16. Fred and Susie each choose a number.  
Fred's number is three times bigger than Susie's number.  
The difference between the numbers is 70.

What numbers did Fred and Susie choose?

.....

.....

.....

.....

.....

Answer          Fred's number ..... Susie's number .....

**(Total 3 marks)**

17. The following tiles fit into the grid below so that the column and row totals add up to the

numbers shown.

5	4	2	1	9	6
1	2	4	5	8	7
3	8	4	2	3	6
5	1	7	6	2	1

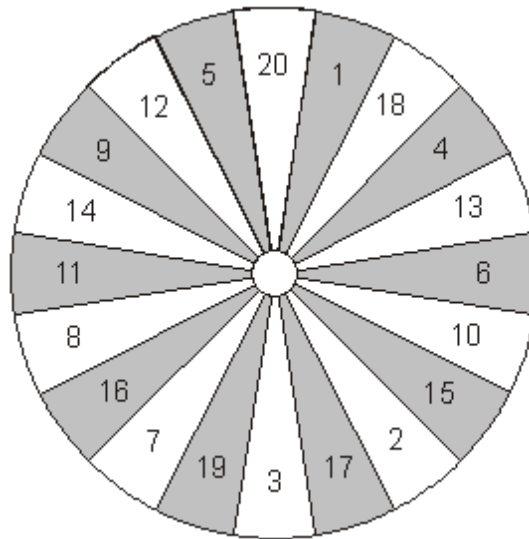
The two shaded tiles have been fitted for you.

Fit the other four tiles into the grid.

				2	1	<b>Total</b>
				4	5	<b>18</b>
	5	4				<b>25</b>
	1	2				<b>35</b>
<b>Total</b>	<b>11</b>	<b>13</b>	<b>19</b>	<b>17</b>	<b>23</b>	<b>24</b>

(Total 3 marks)

18. The diagram shows a target.



- (a) The numbers 1 and 18 are next to each other.  
They add up to 19.

Which **three** other pairs that are next to each other add up to 19?

Answer ..... and .....  
..... and .....  
..... and .....

(3)

- (b) Which **two** numbers that are next to each other have the largest difference?

.....  
.....

Answer ..... and .....

(1)

- (c) The numbers 20 and 3 are opposite each other.  
They add up to 23.  
One pair of opposite numbers add up to a square number.

Which pair of opposite numbers add up to a square number?

.....  
.....

Answer ..... and .....

(1)(Total 5 marks)

19. Below is the calendar for the first two months of 2008.

**January 2008**

M	T	W	T	F	S	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

**February 2008**

M	T	W	T	F	S	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	

Three friends Tom, Dick and Harry were all 16 this year.  
 Tom had a birthday in February.  
 Dick and Harry had birthdays in January.  
 Dick is exactly 7 weeks older than Tom.  
 Dick is 10 days younger than Harry.

When are their birthdays?

.....

.....

.....

Answer Tom .....

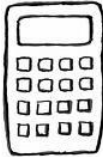
Dick .....

Harry .....

**(Total 2 marks)**

Success:

Target:



**Section D      C Grade Functional Number Problems      Grade C**

1. Barbara uses her car to work as a volunteer driver at her local hospital. She is paid 40 p for every mile she drives. On average she drives 2000 miles each month. Here is some information about the running costs of Barbara's car.

Fuel consumption	50 miles per gallon
Other running costs	10 pence per mile

- (a) Petrol costs £5 per gallon

Calculate Barbara's annual fuel bill.

.....

.....

.....

Answer £ .....

**(2)**

- (b) After paying for fuel and other running costs, Barbara saves the money left over. Barbara is planning to use this money for a holiday that will cost £3000. Will Barbara have enough money after saving for one year?

.....

.....

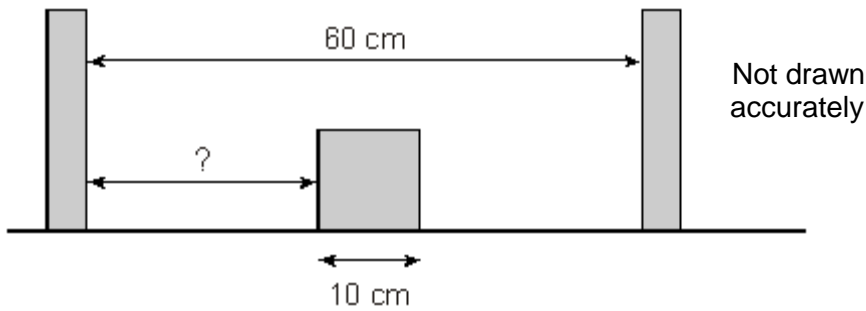
.....

.....

.....

**(4)(Total 6 marks)**

2. Two posts are 60 centimetres apart.  
A block, 10 cm wide, is placed exactly half way between them.



What is the distance between the block and one of the posts?

.....  
.....

Answer .....cm

**(Total 2 marks)**

3. In the following calculations each letter represents a different digit.

$$A \times A = BC$$

$$BC \times BC = DEC$$

Which digit does each letter represent?

.....  
.....  
.....  
.....  
.....  
.....

Answer A = ..... B = ..... C = .....

D = ..... E = .....

**(Total 3 marks)**

4. Mike took 400 books to sell at a Saturday market.  
By 3 pm, he had sold 310 books at 80 pence each.

Mike then reduced the selling price of the remaining books to 50 pence each.  
He was left with 24 unsold books which he gave away.

Find the total amount Mike received from selling the books.

.....  
 .....  
 .....  
 .....

Answer £ .....

(Total 4 marks)

5. People in the country of Brownland have to pay income tax on the money they earn as shown.

Earnings (£)	Tax to pay
0 – 5000	NIL
Over 5000	20 % on all earnings over £5000

Examples	
Earnings (£)	Tax to pay
4000	NIL
13 000	20 % of £8000

Lynn earns £28 000.

Work out the amount of tax that Lynn pays.

.....  
 .....  
 .....  
 .....

Answer £ .....

(Total 3 marks)



6. Matthew is investigating the costs of using a mobile phone.

He finds that there are two methods of paying for his phone calls.

<b>Contract</b>
£14 a month fixed charge
30 minutes of free calls then 10p per minute

<b>Pay as you go</b>
No fixed charge
No free minutes 40p per minute

Matthew expects to spend 150 minutes using a mobile phone each month.

Which method is cheaper, 'Contract' or 'Pay as you go'?  
You **must** show your working.

.....

.....

.....

.....

.....

.....

Answer .....

**(Total 4 marks)**

7.

Here is an advert for a summer holiday.



## Summer Sun

### Fantastic deals with Sunbreaks Holidays



Dates	7 nights	14 nights
1 April – 30 April	£315	£575
1 May - 8 July	£220	£400

**Notes**

- Prices are for one adult (16 years and over)
- Children (less than 16 years) 75% of adult price
- 10% discount if booked online ([www.sunbreaks.co.uk](http://www.sunbreaks.co.uk))

- (a) Martha books a 14-night holiday in May.  
She books for herself, husband Billy and daughter Mary (aged 11).  
She books the holiday online.

Explain clearly why the total cost will be £990.

.....

.....

.....

.....

.....

.....

(4 marks)

Success:

Target: