

Name:

Teacher  
Assessment



**Section A** **Basic Number** **Grade E → C**

1. Work out

(a)  $426 + 37 + 384$

.....  
.....

Answer .....

(2)

(b)  $800 - 472$

.....  
.....

Answer .....

(2)

(c)  $132 \times 8$

.....  
.....

Answer .....

(2)

(d)  $0.2 \times 0.4$

Answer .....

(1)

**(Total 7 marks)**

2. Work out

(a)  $23.4 + 7.3$

.....  
.....

Answer .....

(1)

(b)  $9.6 - 3.9$

.....  
.....

Answer .....

(1)

(c)  $2.4 \times 6$

.....  
.....

Answer ..... (1)

(d)  $125 \div 0.5$

.....

Answer ..... (1)

(e)  $2.76 \times 3.4$

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

Answer ..... (3)  
**(Total 7 marks)**

**3. Work out**

(a)  $-3 + 5$

Answer ..... (1)

(b)  $2 - (-7)$

Answer ..... (1)

(c)  $-5 + (-3)$

Answer ..... (1)

(d)  $6 \times (-4)$

Answer ..... (1)

(e)  $-10 \div (-5)$

Answer ..... (1)  
**(Total 5 marks)**

4. The table shows the highest and lowest temperatures recorded in five cities.

	<b>Birmingham</b>	<b>Edinburgh</b>	<b>London</b>	<b>Manchester</b>	<b>Newcastle</b>
<b>Highest temperature</b>	27°C	25°C	31°C	29°C	26°C
<b>Lowest temperature</b>	-2°C	-7°C	1°C	-2°C	-5°C

(a) Which city recorded the biggest difference between its highest and lowest temperatures?

.....

Answer .....

(1)

(b) The difference between the highest and lowest temperatures is the same for two cities. Write down the names of these two cities.

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

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

(1)

(Total 2 marks)

5. (a) Work out  $12 - (3 + 7)$

.....

Answer .....

(1)

(b) Put brackets in each of these calculations to make them correct.

(i)  $18 - 4 - 2 = 16$

(ii)  $3 + 4 \times 5 = 35$

(iii)  $20 \div 5 - 3 = 10$

(3)

(Total 4 marks)

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

Target:
---------



**Section B**

**Deriving Unknown Facts**

**Grade C**

1. Use the calculation

$$294 \times 4.57 = 1343.58$$

to find the value of

(a)  $294 \times 0.00457$

.....

Answer .....

(1)

(b)  $134358 \div 29.4$

.....

Answer .....

(1)

**(Total 2 marks)**

2. You are given that  $372 \times 51 = 18\,972$

Use this information to find the answers to

(a)  $3720 \times 51$

Answer .....

(1)

(b)  $18\,972 \div 5.1$

Answer .....

(1)

(c)  $372 \times 102$

.....

.....

Answer .....

(1)

**(Total 3 marks)**

Success:

Target:



**Section C**

**Problem Solving**

**Grade E → C**

1. A youth club hires a disco for £70.  
Tickets for the disco cost 80p each.  
They sell 140 tickets.

**Friday night  
DISCO  
Tickets 80 p**

How much profit does the youth club make?

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

Answer £ .....

**(Total 3 marks)**

2. A school band is going on a concert tour to Paris.
- (a) The concert programme is translated into French at a cost of £1.80  
The programme has 45 words.  
Calculate the cost per word of the translation.

.....  
.....

Answer ..... pence

**(2)**

- (b) The band is performing the concert at three places.  
Posters are printed for the concerts.

	Number of small posters	Number of large posters
<b>1st concert</b>	100	20
<b>2nd concert</b>	200	50
<b>3rd concert</b>	0	10

Small posters cost 8p each.          Large posters cost 12p each.

Calculate the total cost of printing the posters.

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

Answer £ .....

(3)  
(Total 5 marks)

3. 350 people go on a coach holiday.  
Each coach will seat 53 people.

- (a) How many coaches are needed?

.....  
 .....

Answer .....

(1)

- (b) How many seats will be empty?

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

Answer .....

(2)  
(Total 3 marks)

4. A supermarket sells boxes of the same brand of teabags in three different sizes.



Work out the cost of 20 teabags for each size.

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

Answer    Small ..... p    Medium ..... p    Large ..... p  
(Total 4 marks)

5. Here is a method for multiplying a whole number by 101.

Step 1: put two zeros onto the right hand side of the number.  
Step 2: add on the original number.

Use an example to show why this method works.

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

(Total 2 marks)

6. 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)

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

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

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

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

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)

<p>Success:</p>     
-------------------------------------

<p>Target:</p>     
------------------------------------