

**Wigan LEA**  
**Numeracy Centre**

**Year 2**  
**Mental Arithmetic Tests**



**Produced by Wigan Numeracy Centre**  
**September 2000**

## Year 2 Block 1

### Test 1 ( end of week 2)

*Listen carefully to each question. I will read each question twice before you write your answer*

#### ( 10 second response )

1. Write an odd number between 25 and 30 ( **27, 29**)
2. Put a ring around the even numbers( **26,32,54**)
3. Write a multiple of 2 greater than 14
4. Write in figures the number 27( **twenty seven**)
5. Which is more 34p. or 43p? Put a tick next to the correct answer( **43p**)
6. What number is half way between 20 and 30?(**25**)
7. The hall is between 40 and 50 strides long. How long could it be?( **41- 49 strides**)
8. 16 subtract 9 ( **7** )
9. Which 2 numbers could have a sum a 10
10. Double 8 (**16**)

#### ( 15 second response )

11. I'm thinking of a number. I add 11 to it. The answer is 21. What was my number? (**10**)
12. Write the number nineteen as a word.( **nineteen**)
13. Fill in the missing number (**25**)
14. A box weighs 25 cubes. A can weighs 10 cubes. What is the total weight?(**35 cubes**)
15. I went to the shop with 8p I found 20p in my pocket. How much did I have altogether?(**28p**)

# Year 2 Block 1

## Test 1 Answer Sheet

<b>Name:</b>	<b>Date:</b>
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<b>1</b>	<input style="width: 50px; height: 40px;" type="text"/>	<b>9</b>	<input style="width: 50px; height: 40px;" type="text"/> and <input style="width: 50px; height: 40px;" type="text"/>
<b>2</b>	<b>17, 26, 11, 32, 54</b>	<b>10</b>	<input style="width: 60px; height: 40px;" type="text"/>
<b>3</b>	<input style="width: 60px; height: 40px;" type="text"/>	<b>11</b>	<input style="width: 60px; height: 40px;" type="text"/> + 11 = 21
<b>4</b>	<input style="width: 60px; height: 40px;" type="text"/>	<b>12</b>	<input style="width: 150px; height: 30px;" type="text"/>
<b>5</b>	<b>34p</b> <b>43p</b>	<b>13</b>	<input style="width: 60px; height: 40px;" type="text"/> + 10 = 35
<b>6</b>	<div style="text-align: center;"> <input style="width: 60px; height: 40px;" type="text"/>  <hr style="width: 150px; margin: 0 auto;"/> <span style="display: inline-block; width: 40px; text-align: center;">20</span> <span style="display: inline-block; width: 40px; text-align: center;">↑</span> <span style="display: inline-block; width: 40px; text-align: center;">30</span> </div>	<b>14</b>	<input style="width: 60px; height: 40px;" type="text"/> cubes
<b>7</b>	<input style="width: 60px; height: 40px;" type="text"/> strides	<b>15</b>	<input style="width: 60px; height: 40px;" type="text"/> p
<b>8</b>	<input style="width: 60px; height: 40px;" type="text"/>		

## Year 2 Block 1

### Test 2 ( end of week 4)

*Listen carefully to each question. I will read each question twice before you write your answer*

#### ( 10 second response )

1. 15 take away 6 **(9)**
2. What must I subtract from 10 to leave 3? **(7)**
3. Find the difference between 26p and 31p **(5p)**
4. A cat weighs 36 grams. A dog weighs 46 grams. Which animal is lighter? **(a cat)**
5. Double 8 **(16)**
6. Write a number between 63 and 75 **(64 – 74)**
7. If I halve my number the answer is 10. What is my number? **(20)**
8. How many more is 11 than 6? **(5)**
9. Fill in the missing number on your sheet. **(10)**
10. What is 4 less than 7? **(3)**

#### ( 15 second response )

11. 23 minus 18 **(5)**
12. A man has 16 pens. He gave half of them away. How many has he left? **(8)**
13. Count on 3 tens from 40. What number do you land on? Use your number line to help you. **(70)**
14. A boy has 12 sweets. He shares them equally with his friend. How many sweets do they each have? **(6)**
15. Write 2 numbers with a difference of 5

# Year 2 Block 1

## Test 2 Answer Sheet

**Name:**

**Date:**

1	<input type="checkbox"/>	9	$8 = \square - 2$
2	<input type="checkbox"/>	10	<input type="checkbox"/>
3	<input type="checkbox"/> p	11	<input type="checkbox"/>
4	A _____ is lighter	12	<input type="checkbox"/> pens
5	<input type="checkbox"/>	13	<hr style="border: 0; border-top: 1px solid black; margin-bottom: 5px;"/> 0 10 20 30 40 50 60 70 80 90 100 <div style="text-align: right; margin-right: 100px;"><input type="checkbox"/></div>
6	<input type="checkbox"/>	14	<input type="checkbox"/> sweets
7	<input type="checkbox"/>	15	<input type="checkbox"/> and <input type="checkbox"/>
8	<input type="checkbox"/>		

## Year 2    Block I

### Test 3 ( end of week 6)

*Listen carefully to each question. I will read each question twice before you write your answer*

#### ( 10 second response )

1. What is half of 8? (4)
2. I have 14 biscuits. I give half of them away. How many are left? (7)
3. Double 10 (20)
4. 3 lots of 5 (15)
5. A multiple of 5 less than 60 (5,10,15,20,25,30,35,40,45,50,55)
6. Share 18 between 2 (9)
7. How many tens make 90?(9)
8. How many 2p coins can you get for 10p? (5)
9. The sum of 8, 4, and 2 (14)
10. The difference between 7 and 11(4)

#### ( 15 second response )

11. Jenny has 17 sweets in her bag. She gives 8 of them away. How many are left? (9)
12. Look at the numbers on your sheet. Put a ring around the multiples of 2 (16,36,48)
13. David has two five pence coins and one ten pence coin in his pocket. How much does he have? (20p)
14. Fourteen children go to the swimming baths. Half of them stay in the shallow end. How many swim in the deep end? (7)
15. Add together the number of sides of a hexagon and the number of sides of a pentagon. (11)

# Year 2 Block 1

## Test 3 Answer Sheet

<b>Name:</b>	<b>Date:</b>
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<b>1</b>	<input style="width: 50px; height: 40px;" type="text"/>	<b>9</b>	<b>8,4,2</b> <input style="width: 50px; height: 40px;" type="text"/>
<b>2</b>	<input style="width: 50px; height: 40px;" type="text"/> biscuits	<b>10</b>	<input style="width: 50px; height: 40px;" type="text"/>
<b>3</b>	<input style="width: 50px; height: 40px;" type="text"/>	<b>11</b>	<input style="width: 50px; height: 40px;" type="text"/> sweets
<b>4</b>	<input style="width: 50px; height: 40px;" type="text"/>	<b>12</b>	<b>16, 19, 23, 36, 48,17</b>
<b>5</b>	<input style="width: 50px; height: 40px;" type="text"/>	<b>13</b>	<b>5p 5p 10p</b> <input style="width: 50px; height: 40px;" type="text"/> p
<b>6</b>	18 shared between 2 is <input style="width: 50px; height: 40px;" type="text"/>	<b>14</b>	<input style="width: 50px; height: 40px;" type="text"/> children
<b>7</b>	<input style="width: 50px; height: 40px;" type="text"/> tens	<b>15</b>	hexagon and pentagon Total number of sides <input style="width: 50px; height: 40px;" type="text"/>
<b>8</b>	<input style="width: 50px; height: 40px;" type="text"/> 2p coins		

## Year 2 Block 1

### Test 4 ( end of week 8)

*Listen carefully to each question. I will read each question twice before you write your answer*

#### ( 10 second response )

1. What is 10 more than 76? **(86)**
2. Pam has saved 53p Paul has saved 10p less. How much has Paul saved? **(43p)**
3. Look at your sheet. Fill in the missing numbers on the number line. **(69,70)**
4. What is 1 more than 39? **(40)**
5. 60 is 10 more than - ? **(50)**
6. Look at the numbers on your sheet. Put a ring around the ones that aren't multiples of 5 **(23,82,91)**
7. 7 plus 9 plus 3 **(19)**
8. Write 2 numbers that total 10
9. What is one less than 50? **(49)**
10. Look at your sheet. Put a ring around the smallest number. **(71)**

#### ( 15 second response )

11. Write number 49 in words **( forty nine)**
12. Look at your sheet. Estimate what number the arrow is pointing to. **( accept 4,5 or 6)**
13. I'm thinking of a number. If I subtract 8 from it the answer is 8. What is my number? **(16)**
14. John took 10 minutes to eat his apple. Emma took twice as long. How long does Emma take? **(20 mins)**
15. Look at your sheet. Put these weights in order starting with the largest. **(98g,96g,89g,78g,69g)**

# Year 2 Block 1

## Test 4 Answer Sheet

<b>Name:</b>	<b>Date:</b>
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<b>1</b>	<input style="width: 50px; height: 40px;" type="text"/>	<b>9</b>	<input style="width: 50px; height: 40px;" type="text"/>										
<b>2</b>	<input style="width: 50px; height: 40px;" type="text"/> p	<b>10</b>	<b>73, 79, 71, 89, 83, 98</b>										
<b>3</b>	<hr style="border: 0; border-top: 1px solid black; margin-bottom: 5px;"/> <table style="margin: auto; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; padding: 2px 10px; text-align: center;">67</td> <td style="border: 1px solid black; padding: 2px 10px; text-align: center;">68</td> <td style="border: 1px solid black; padding: 2px 10px; text-align: center;"> </td> <td style="border: 1px solid black; padding: 2px 10px; text-align: center;"> </td> <td style="border: 1px solid black; padding: 2px 10px; text-align: center;">71</td> </tr> </table>	67	68			71	<b>11</b>	<input style="width: 250px; height: 40px;" type="text"/>					
67	68			71									
<b>4</b>	<input style="width: 50px; height: 40px;" type="text"/>	<b>12</b>	<div style="text-align: center; margin-bottom: 5px;">↓</div> <hr style="border: 0; border-top: 1px solid black; margin-bottom: 5px;"/> <table style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 0 10px;">0</td> <td style="border: 1px solid black; padding: 2px 10px; text-align: center;"> </td> <td style="padding: 0 10px;">10</td> <td style="padding: 0 10px;">20</td> </tr> </table>	0		10	20						
0		10	20										
<b>5</b>	60 is 10 more than <input style="width: 40px; height: 30px;" type="text"/>	<b>13</b>	<input style="width: 50px; height: 40px;" type="text"/>										
<b>6</b>	<b>23, 35, 15, 50, 82, 91, 90</b>	<b>14</b>	<input style="width: 50px; height: 40px;" type="text"/> minutes										
<b>7</b>	<b>7,9,3</b> <input style="width: 50px; height: 40px;" type="text"/>	<b>15</b>	<table style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 0 10px;">96g</td> <td style="padding: 0 10px;">78g</td> <td style="padding: 0 10px;">98g</td> <td style="padding: 0 10px;">89g</td> <td style="padding: 0 10px;">69g</td> </tr> <tr> <td style="border: 1px solid black; width: 30px; height: 25px;"></td> <td style="border: 1px solid black; width: 30px; height: 25px;"></td> <td style="border: 1px solid black; width: 30px; height: 25px;"></td> <td style="border: 1px solid black; width: 30px; height: 25px;"></td> <td style="border: 1px solid black; width: 30px; height: 25px;"></td> </tr> </table> <p style="margin: 0;">largest</p>	96g	78g	98g	89g	69g					
96g	78g	98g	89g	69g									
<b>8</b>	<input style="width: 50px; height: 40px;" type="text"/> and <input style="width: 50px; height: 40px;" type="text"/>												

## Year 2 Block 1

### Test 5 ( end of week 10 )

*Listen carefully to each question. I will read each question twice before you write your answer*

#### ( 10 second response )

1. Write 2 numbers than make 20
2. Round 78 to the nearest 10 **(80)**
3. Fill in the missing number **(10)**
4. 38 plus 9 **(47)**
5. 33 subtract 29 **(4)**
6. 5 lots of 2 **(10)**
7. Sally went to the shop with four 5p coins. How much did she have to spend? **(20p)**
8. Jason has 18 marbles. He loses 9 of them. How many has he left? **(9)**
9. What is the sum of 16 grams and 4 grams **(20grams)**
10. 17 minus 5 **(12)**



#### ( 15 second response )

11. Write 2 number sentences using the numbers 3,5 and 8
12. I went to the shop and bought an ice cream for 2p. and some sweets for 4p. How much change did I get from 20p? **(14p)**
13. What do I add to 4 to make 20?**(16)**
14. I have two 2p coins in my purse. How much more will I need to make 10p? **(6p)**
15. Write the answer to 59 add 9 **(68)**

# Year 2 Block 1

## Test 5 Answer Sheet

<b>Name:</b>	<b>Date:</b>
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1	<input type="text"/> + <input type="text"/> = 20	9	<input type="text"/> grams
2	<input type="text"/>	10	<input type="text"/>
3	<input type="text"/> - 3 = 7	11	3, 5, 8 <input type="text"/> <input type="text"/> = <input type="text"/> <input type="text"/> <input type="text"/> = <input type="text"/>
4	<input type="text"/>	12	 2p  4p <input type="text"/> p change from 20p
5	<input type="text"/>	13	<input type="text"/>
6	5 lots of 2 is <input type="text"/>	14	<input type="text"/> p
7	5p 5p 5p 5p <input type="text"/> p	15	<input type="text"/>
8	<input type="text"/> marbles		



## Year 2 Block 1

### Test 6 ( end of week 12 )

*Listen carefully to each question. I will read each question twice before you write your answer*

#### ( 10 second response )

1. Count on 30 from 17 **(47)**
2. Write an even number between 39 and 46 **(40,42,44)**
3. A multiple of 10 less than 80 **(70,60,50,40,30,20,10)**
4. How many lots of 2 are there in 18? **(9)**
5. Look at your sheet. Write half past 7 on the digital clock.**(7:30)**
6. What is 8 times 5 **(40)**
7. How many 5's are there in 30? **(6)**
8. Put a ring around the multiples of 10 **(60,50,20)**
9. How many 2's are there in 16? **(8)**
10. Kate has a piece of string measuring 15 cm. She needs a piece that measures 25 cm. How much more string does she need? **(10cm)**

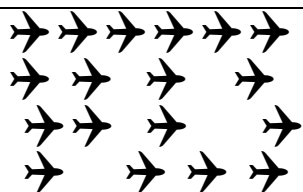
#### ( 15 second response )

11. Add the number of months in a year to the number of days in a week. **(19)**
12. Matthew got on the train at 8 o'clock. The journey took half an hour. What time did he get off the train?**(half past 8 or 8:30)**
13. How many minutes are there in 1 hour? **(60)**
14. Put a ring around half of the birds on your sheet **(9)**
15. A cartoon lasts 10 minutes. How long would 7 cartoons last? **(70min.)**

# Year 2 Block 1

## Test 6 Answer Sheet

<b>Name:</b>	<b>Date:</b>
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<b>1</b>	<input style="width: 50px; height: 30px;" type="text"/>	<b>9</b>	<input style="width: 50px; height: 30px;" type="text"/>
<b>2</b>	<input style="width: 50px; height: 30px;" type="text"/>	<b>10</b>	<input style="width: 50px; height: 30px;" type="text"/> <b>cm</b>
<b>3</b>	<input style="width: 50px; height: 30px;" type="text"/>	<b>11</b>	<b>Months in 1 year and days in 1 week</b> <input style="width: 50px; height: 30px;" type="text"/>
<b>4</b>	There are <input style="width: 30px; height: 30px;" type="text"/> lots of 2 in 18	<b>12</b>	<input style="width: 100%; height: 40px;" type="text"/>
<b>5</b>	<input style="width: 100%; height: 40px;" type="text"/>	<b>13</b>	<input style="width: 50px; height: 30px;" type="text"/> <b>minutes</b>
<b>6</b>	<input style="width: 50px; height: 30px;" type="text"/>	<b>14</b>	
<b>7</b>	<input style="width: 50px; height: 30px;" type="text"/> <b>biscuits</b>	<b>15</b>	<input style="width: 50px; height: 30px;" type="text"/> <b>minutes</b>
<b>8</b>	<b>65 60 78 50 20 86</b>		