

Wigan LEA Numeracy Centre  
Year 2  
Block 3 Assessment

2

Name:

Date:

Key Objectives Assessed	Part 1
Count, read, write and order numbers to at least 100; know what each digit represents and partition a 2 digit number	1,2,3,4,6,10,11
Describe and extend simple number sequences eg odds/evens	12,13
Understand subtraction is the inverse of addition	14
Know by heart addition and subtraction facts for each number to at least 20	9,15
Use knowledge that addition can be done in any order to aid mental calculation	5
Read a simple scale to the nearest labelled division	16
Use the mathematical names for common 2D and 3D shapes and describe some of their features	7,8,17
Know and use halving as the inverse of doubling	18
Know by heart facts for the 2 and 10 multiplication tables	19
Choose and use appropriate operations and efficient strategies to solve problems	20,21
Other Objectives Assessed	
Count on in steps of 3 to at least 30	22
Begin to recognise 2 digit multiples of 2, 5 and 10	23
Use and begin to read the vocabulary of comparing/ordering numbers to 100	24
Round numbers less than 100 to the nearest 10	25
Begin to add/subtract 19 or 21 by adjusting	26
Begin to recognise line symmetry	27
Solve mathematical problems or puzzles	28

<u>MARK</u>	<u>LEVEL</u>

**The first 4 questions in this assessment are to be given orally to the whole class/group.**

**1. Write the matching number ( Hold up number name SEVEN)**

**2. Write the number that comes next. 19....**

**3. Write the number that comes before 15**

**4. How many tens? (Write 47 on the board)**

1.	<input type="checkbox"/>
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(1)

2.	<input type="checkbox"/>
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(1)

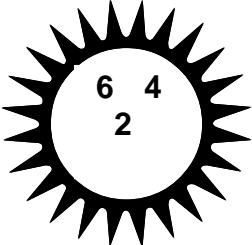

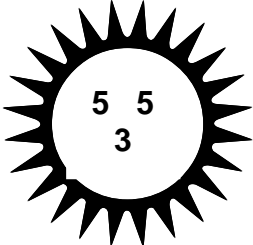

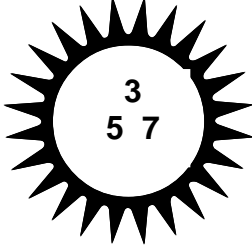
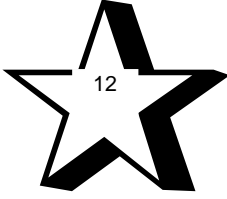
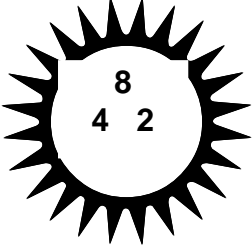

3.	<input type="checkbox"/>
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(1)

4.	<input type="checkbox"/>
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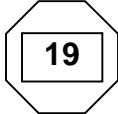
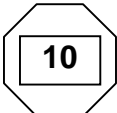

(1)

5. Join each sun to the correct total

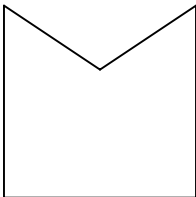
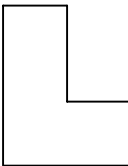
(2)

**6. Join each number to the matching label**

		1 ten no units
		5 units
		2 tens 4 units
		1 ten 9 units

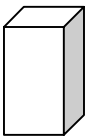
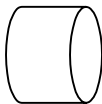
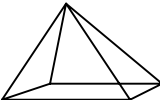
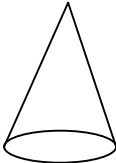
(2)

**7. Write how many sides**

	<div style="border: 2px solid black; width: 30px; height: 30px; display: inline-block;"></div> sides		<div style="border: 2px solid black; width: 30px; height: 30px; display: inline-block;"></div> sides
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(2)

**8. Match each solid to the shape of its faces. Some have more than one kind.**

			
<b>triangular</b>	<b>rectangular</b>	<b>circular</b>	

(3)

**9. Find the difference between the numbers in each pair**

number	10	14	20	9	11	8
number	8	4	15	13	2	15
difference						

(2)

**10. Some of the numbers on part of a 100 square are missing. Write them in.**

	43		45		
		54			
			65		
72		74			
			85		

(2)

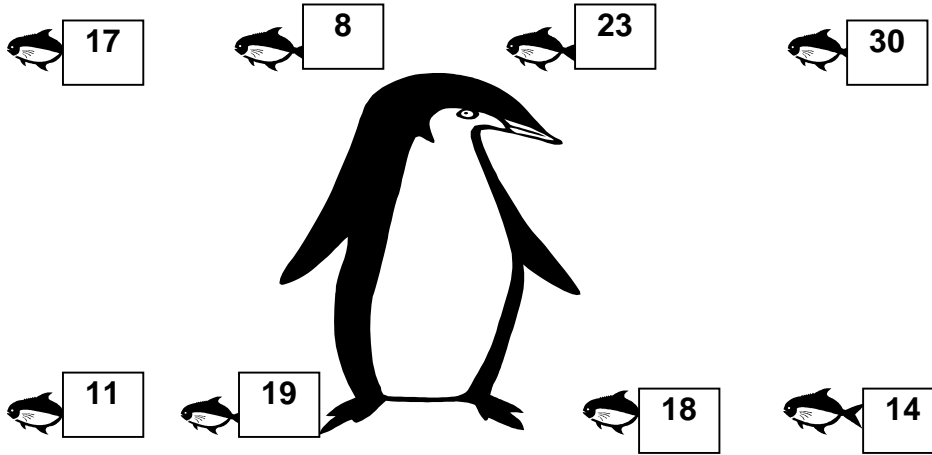
**11. Add these two numbers.**

$$23 + 14 = \square$$

**Show how you did it.**

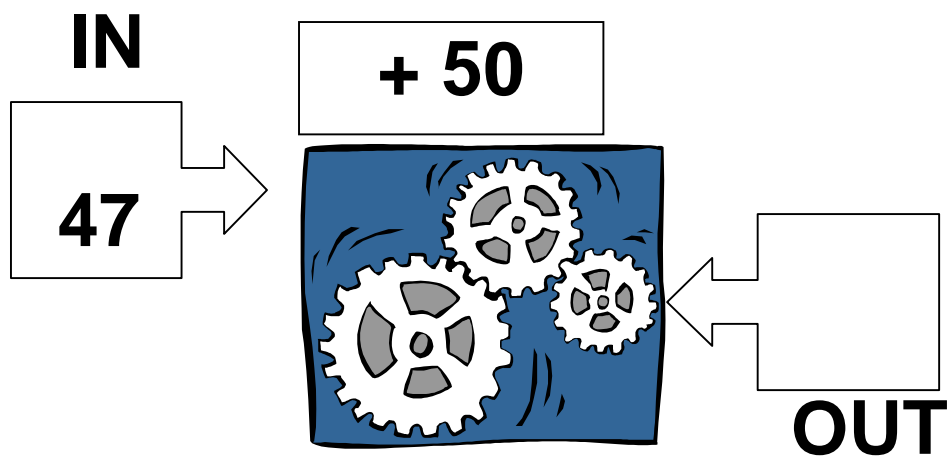
(2)

12. Percy Penguin will only eat fish with odd numbers on them. Write the numbers in his tummy.



(1)

13. This counting machine adds 50 to any number. Write the number that comes out of the machine.



What number will come out if 23 goes in?

(2)

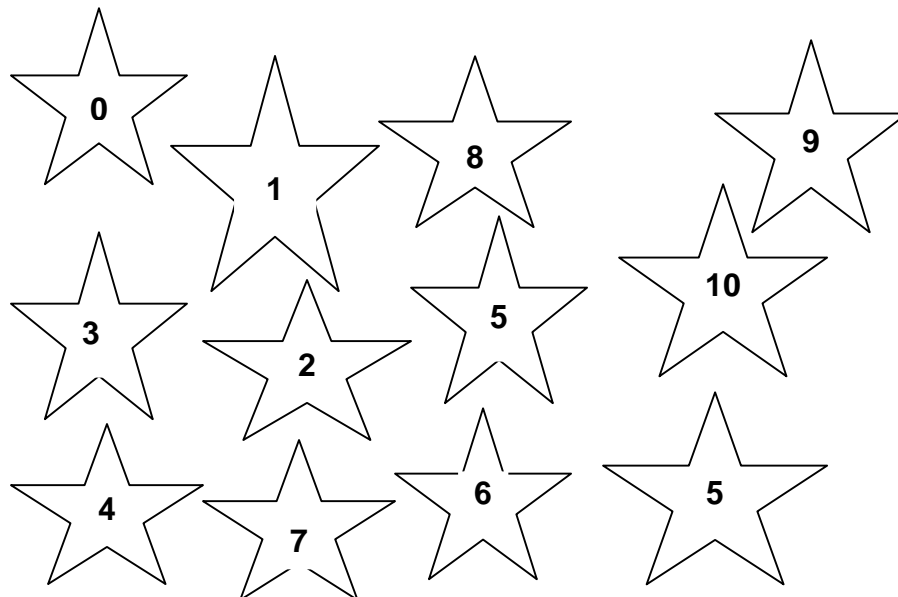
14. Use the numbers in the addition sentence to make a subtraction sentence.

 plus  =

 subtract  =

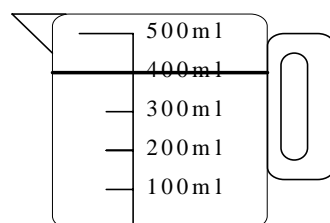
(1)

15. Match the stars that total 10 .  
Colour 2 stars with a difference of 5



(2)

16.



How many millilitres of water are in the jug?

ml

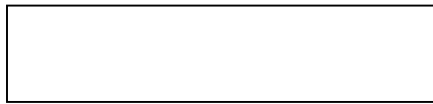
(1)

**17. Guess my shape.**

**I am a 2D shape. I have 3 sides and 3 corners. I am a**

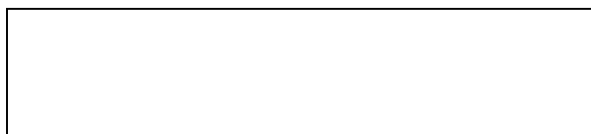


**I am a 3D shape. I have 2 square faces and 4 rectangular faces. I am a**



**Draw a 2D shape that has more than 4 sides but less than 7 sides**

**Name your shape.**

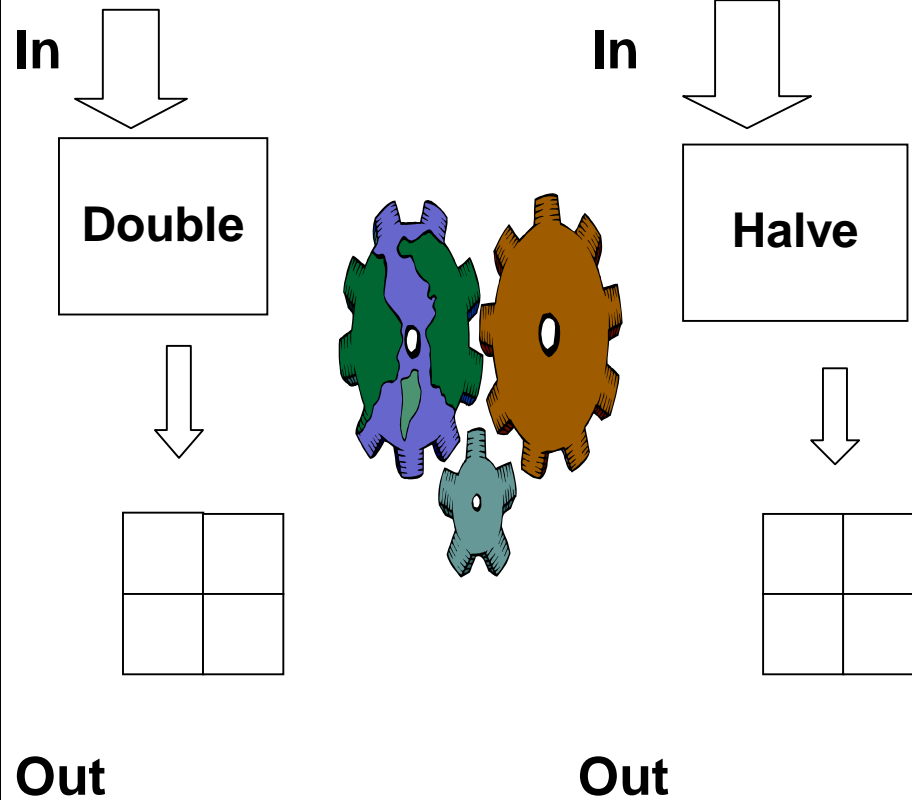




18.

Put these numbers into the function machines. What numbers come out?

8 14 4 12



(2)

19a.

Fill in the missing numbers.

How many tens in 70?

5 multiplied by 2 is

19b.

10 lots of 5

$4 \times 5 =$

(1)

(1)

20. Peter bought 3 ice-creams at 15p each.  
Draw the change he would get from 50p.



15p each

Change from 50p?

(1)

21. Class 2 went on a trip to the fair. This is what it cost for some of the rides.



35p



20p



45p



50p



£1

a. Sally went for a ride on the train and the boat. How much did she spend altogether?

 p

b. Joe paid for a ride on bus with 3 coins.  
Draw the coins he used.

c. How much would it cost to go on all of the rides?

(3)



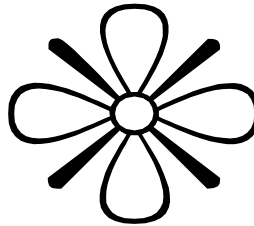
**26. Write the missing answer.**

$$32 + 19 = \triangle$$

**Show how you worked it out**

(2)

**27. Draw a line of symmetry on this flower**



(1)

**28. Use numbers 1 to 5 in the circles so that the difference between each pair of joined numbers is more than 1**



(1)

## Answers and suggested mark scheme

Question	N.C. Level	Answer	Comments																														
1	1a	7	1 mark																														
2	1a	20	1 mark																														
3	1a	14	1 mark																														
4	2c	4	1 mark																														
5	2b	Suns correctly matched	2 mark for all correct 1 for 2 or more correct																														
6	2c	Correctly matched to labels	2 marks for all correct 1 for 2 or more																														
7	2c	5 sides 6 sides	2 marks																														
8	3c	Shapes correctly matched	2 marks for all correct 1 mark for at least 2																														
9	3c	2, 10, 5, 4, 9, 7	2 marks for all correct 1 mark for at least 3																														
10	2a	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td></td> <td>43</td> <td>44</td> <td>45</td> <td>46</td> <td></td> </tr> <tr> <td>52</td> <td>53</td> <td>54</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>64</td> <td>65</td> <td>66</td> <td>67</td> </tr> <tr> <td>72</td> <td>73</td> <td>74</td> <td>75</td> <td>76</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>85</td> <td>86</td> <td>87</td> </tr> </table>		43	44	45	46		52	53	54						64	65	66	67	72	73	74	75	76					85	86	87	2marks for all correct 1 mark for at least 3
	43	44	45	46																													
52	53	54																															
		64	65	66	67																												
72	73	74	75	76																													
			85	86	87																												
11	2a	37 Any written strategy	2 marks for correct answer and method 1 mark for correct method																														
12	2b	17, 23, 11, 19	1 mark																														
13	2a	97, 73	1 mark for each(2)																														
14	2b	28-12=16 28-16=12	1 mark																														
15	2c/b	(10,0) (9,1) (8,2) (7,3) (6,4) (5,5) Any of these coloured (10,5) (9,4) (8,3) (7,2) (6,1) (5,0)	1 mark 1 mark																														
16	2b	400 ml	1 mark																														
17	2a	Triangle, cuboid, Pentagon or hexagon	1 mark for each (4)																														

18	2b	16, 28, 8, 24 4, 7, 2, 6	2 mark all correct 1 mark for at least 4
19	2a 3c	7, 10 50, 20	1 mark 1 mark
20	3c	5p	1 mark
21a b c	2a 2b 3c	65p 20p 10p 5p £2.50	1 mark 1 mark 1 mark
22	2a	9, 15, 18, 27	2 marks all correct 1 mark for 2 correct
23	3c	<p>50 45 36 70 32</p> <p>Multiple of 10      Multiple of 2      Multiple of 5</p>	2 marks for all correct 1 mark for 2 correct
24	2a	Any number between 75 and 95 in the first 2 boxes Any number between 96 and 105 in the last box	2 marks all correct 1 mark for at least 2
25	2a	<p>48 70 69 60 89 50 57 90</p>	2 marks all correct 1 mark for at least 2 correct
26	3c	51 Any written explanation	2 marks for correct answer and method 1 mark correct method
27	2b	Accept any line of symmetry	1 mark
28	2a	Eg. 1 3 5 2 4	1 mark

Total

**50**

## Draft Level Thresholds Y2 Block 3

<b>Below Level 2</b>	<b>Level 2</b>			<b>Level 3</b>
<b>0 - 3</b>	<b>4 - 40</b>			<b>41 - 50</b>
	<b>2c</b>	<b>2b</b>	<b>2a</b>	
	<b>4-9</b>	<b>10-20</b>	<b>21-40</b>	