Wigan LEA Numeracy Centre

Year 5

5

Block 3 Assessment

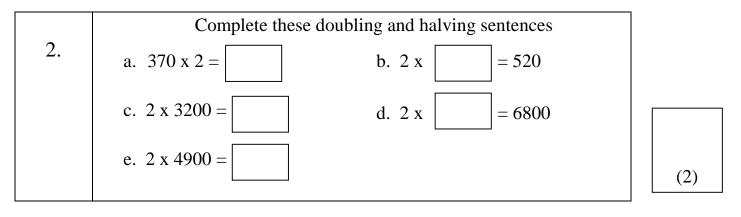
Section A – Read and Respond

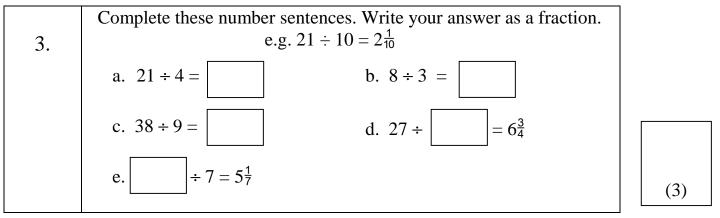
Name:	Date:
Key Objectives Assessed	Question
Ordering positive and negative integers	1
Relate fractions to their equivalent decimals	6
Calculate differences mentally	11, 12
Recognise parallel and perpendicular lines	8
Calculate the area of a rectangle	10
Know by heart multiplication up to 10 x 10	4
Other Objectives Assessed	
Derive doubles of multiples of 100 and 100 up to 10,000	2
Relate fractions to division	3, 5
Find simple percentages of small whole number quantities	7
Use a protractor to measure angles to the nearest 5°	9
Calculate a temperature fall across 0°C	1
Recognise and extend number sequences from any number in steps of constant size	13

<u>Correct Responses</u>	<u>Mark</u>

Overall level for Block 3 A & B

Year	5 Block 3 Ass	sessment	Section A				
1.	Look at the table showing temperatures of British towns in February.						
	Town	Temperature					
	Aberdeen	-5°C					
	Glasgow	-6°C					
	Kendal	-3°C					
	London	4°C					
	Manchester	2°C					
	Wigan	-1°C					
	a. Which town had the highest tob. Which town had the lowest tec. What is the difference in temp	mperature?					
	Glasgow?	_					
	d. Which two towns have a diffe	erence of 4°C ?					
	and _		(3)				





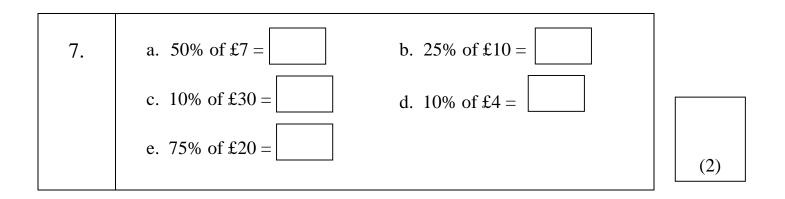
Λ	Complete this multiplication table							
4.		Х	4	6	7	8	9	
		2	8	12	14	16	18	
		6						
		7						
		8						
		9						

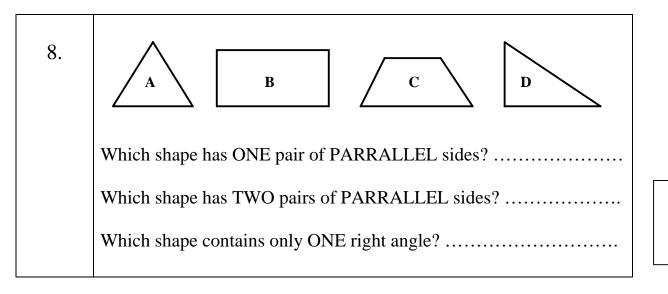
	Co	mplete this	s fraction g	grid.	
Start Number	24	48	72	96	144
To find ¹ / ₃ (divide by 3)	8		24		48
To find $\frac{1}{6}$ (half of $\frac{1}{3}$)	4	8			

(3)

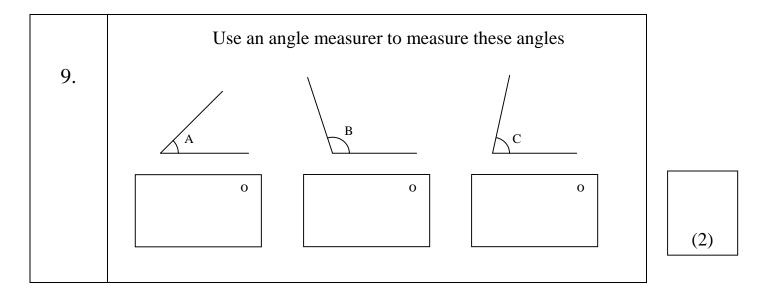
(3)

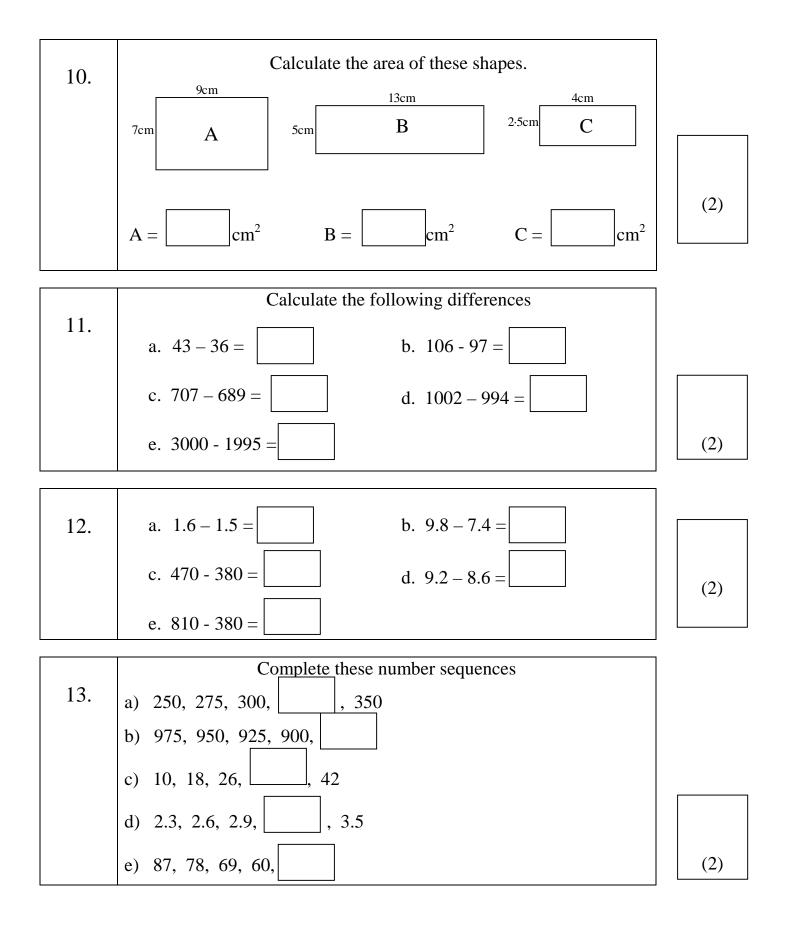
6.		The table shows decimal numbers and equivalent fractions. Complete the table below					
	Decimals	Equivalent Fractions					
	0.7						
	0.03						
		$\frac{3}{4}$					
		<u>1</u> 100					
	1.48						
	<u>_</u>						











Wigan LEA Numeracy Centre Year 5 **Block 3 Assessment**

Section B – Problem Solving and Calculator Activities

Name:

Date:

5

Calculators may be used throughout this paper

Objectives Assessed: Solve a Problem by -	Question
Interpreting and representing data in a line graph	4,7
Using all four operations to solve word problems involving money	1, 2
Use all four operations to solve word problems involving time	9, 10, 11
Applying multiplication (TU x TU)	13, 14, 15, 16
Applying multiplication (HTU x U)	1, 2, 3
Using all four operations to solve word problems	3
Interpreting results from a table	5
Interpreting results from a Venn Diagram	б
Calculating angles on a straight line	8
Using simple ratio and proportion contexts	12
Using a calculator effectively	17, 18, 19

Correct responses

<u>Mark</u>

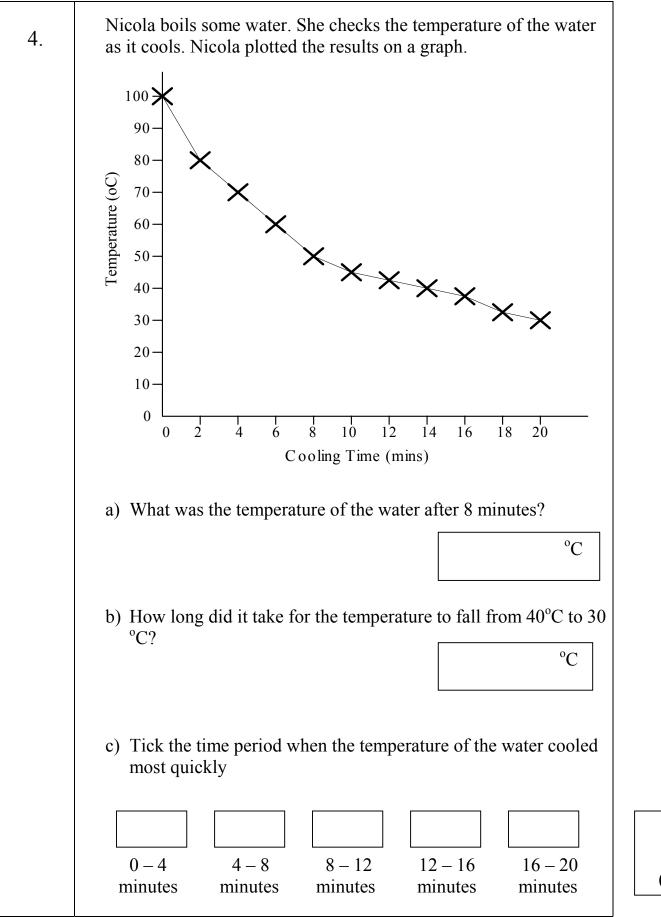


Year 5 Block 3 Assessment

Section B

2.	Amanda earns £325 per week. How much does she earn in 6 weeks? Show your working out					
۷.						
	£					
		(2)				

3.	Sue reads 9 pages of a book. On each page there are 412 words. How many words does she read altogether?				
	Show your working out				
		(2)			



5.

Sally collects data about her friends. Look at the results in the table.

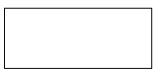
Name of friend	What is your eye colour?	What is your height?	What is your mass?	Do you have a pet dog?	How many music CD's do you have?
Ann	Blue	1.36m	40kg	Х	8
Babs	Brown	1.38m	43kg	\checkmark	10
Carol	Brown	1.41m	43kg	\checkmark	14
Dave	Green	1.56m	50kg	X	3
Eric	Brown	1.29m	37kg	X	5

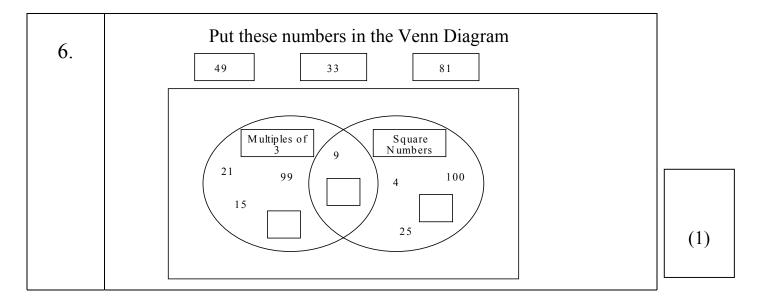
a) How much taller is Carol than Eric?

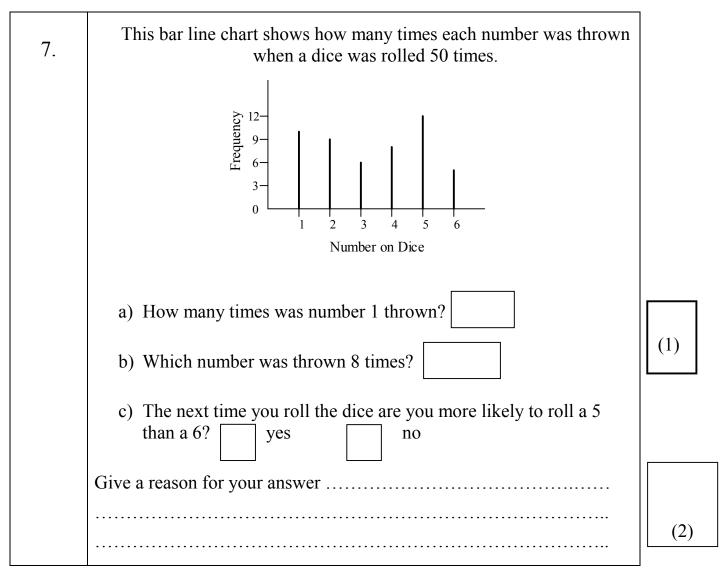
b) Who has brown eyes but does not have a dog?

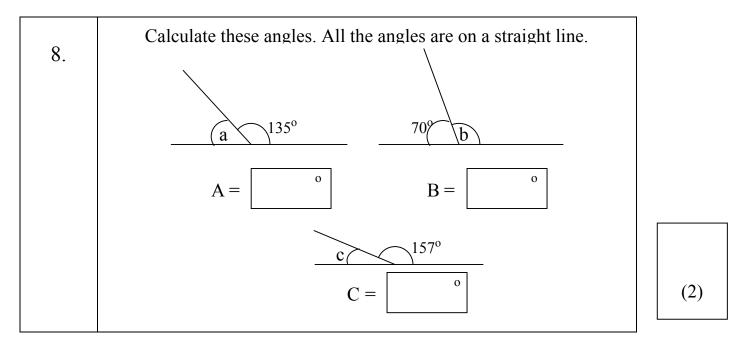
c) What is the mode of the mass of her friends?

d) How many CD's do her friends have altogether?









9.	A walk began at 09:45 and finished at 14:35. How long did the walk last?	
	minutes	(2)

10.	The sun sets at 22: 00 and rises again at 05:00. How many hours of darkness were there that night?	
	hours	(1)

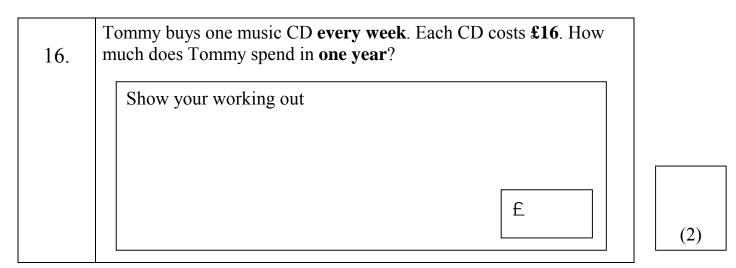
	Four children ran in a relay race. Here are their times for each lap.					
11.	Albert	94.5 seconds				
	Beryl	90.2 seconds				
	Carl	83.1 seconds				
	Dan	85.4 seconds				
	a) What is their total time for four laps? seconds					
	b) Who ran the fastest lap?					
	c) How much quicker was Beryl than Albert?					

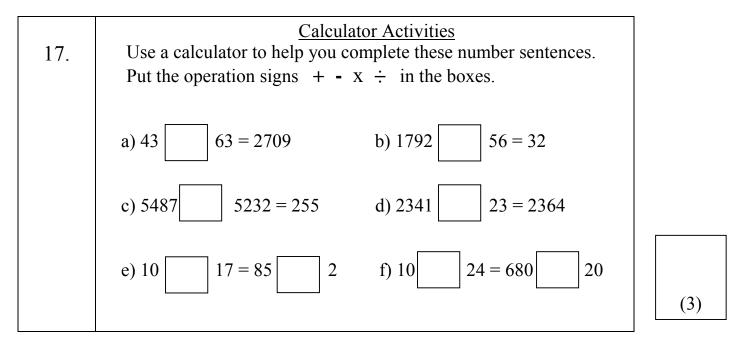
	On school trips there has to be one adult for every ten children.	
12.	a) If 70 children go to Blackpool, how many adults need to go with them?	(1)
	b) If 12 adults can go on the school trip to the zoo, how many children can go?	(1)

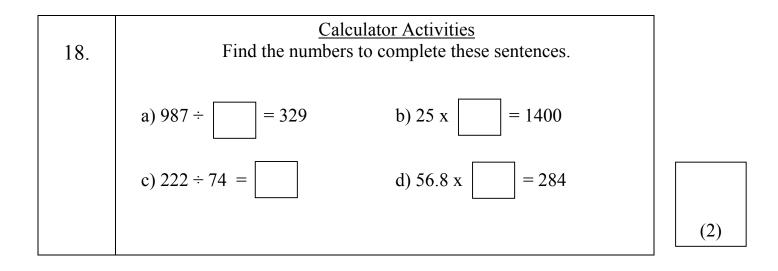
13.	 16 teams played in the World Cup Finals. Each team had 23 players to choose from. How many players were there altogether? 					
		Show your working out				
			(2)			

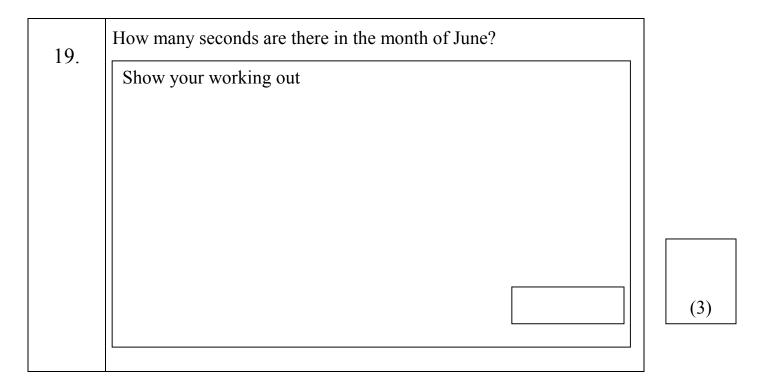
14.	4. Gerry picked 18 baskets of strawberries. Each basket contained 36 strawberries . How many strawberries had he picked altogether?					
	Show your working out					
			(2)			

15.	There are 36 children in a class. The teacher bought every child a chocolate bar costing 32p . How much money did the teacher spend?				
	Show your working out				
	E E				
		(2)			









Y5 Block 3 Assessment Section A Answers and Suggested Mark

Scheme www.11plusguide.com

Question	N.C. Level	Answer	Marks	Total Marks
1	5C	a) London c) 10°C b) Glasgow d) Aberdeen & Wigan	All correct – 3 marks 3 correct – 1 mark	3
2	4C	a) 740 d) 3400 b) 260 e) 9800 c) 6400	All correct – 2 marks 3 or 4 correct – 1 mark	2
3	4A	a) $5\frac{1}{4}$ d) 4 b) $2\frac{2}{3}$ e) 36 c) $4\frac{2}{9}$	All correct – 3 marks 3 or 4 correct – 2 marks 2 correct – 1 mark	3
4	4C	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	All correct – 3 marks 6 - 10 correct - 2 marks 0 – 5 correct – 0 marks	3
5	4B	Start Number24487296144To find $\frac{1}{3}$ 816243248To find $\frac{1}{6}$ 48121624	All correct – 3 marks 3 or 4 correct – 2 marks 0 – 2 correct – 0 marks	3
6	4B	$\frac{7}{10}, \frac{3}{100}, 0.75, 0.01, 1^{48}/_{100} \text{ or } 1^{24}/_{50} \text{ or } 1^{12}/_{25}$	All correct – 2 marks 3 - 4 correct – 1 mark	2
7	5C	a) £3.50 d) 40p b) £2.50 e) £15.00 c) £3.00	All correct - 2 marks 3 – 4 correct – 1 mark	2
8	4C	C, B, D	All correct – 2 marks 2 correct - 1 mark	2
9	4B	a) 45° b) 107° c) 78° (allow 1 degree either way)	All correct – 2 marks 2 correct – 1 mark	2
10	4B	a) 63cm^2 b) 65cm^2 c) 10cm^2	All correct – 2 marks 2 correct – 1 mark	2
11	4C	a) 7 d) 8 b) 9 e) 1005 c) 18	All correct – 2 marks 3 – 4 correct – 1 mark	2
12	4B	a) 0.1 d) 0.6 b) 2.4 e) 430 c) 90	All correct – 2 marks 3 - 4 correct – 1 mark	2
13	4B	a) 325 d) 3.2 b) 875 e) 51 c) 34	All correct – 2 marks 3 – 4 correct – 1 mark	2

Total 30

Y5 Block 3 Assessment Section B

Question	N.C. Level	Answer	Marks	Total Marks	
1	4B	1778	Correct answer – 2 marks Correct method – 1 mark	2	
2	4B	1950	Correct answer – 2 marks Correct method – 1 mark	2	
3	4B	3708	Correct answer – 2 marks Correct method – 1 mark	2	
4	4A	a) 50° C b) 6 mins c) 0 – 4 mins	All correct – 2 marks 2 correct - 1 mark	2	
5	4B	a) 12cm b) Eric c) 43kg d) 40	All correct – 2 marks 3 correct – 1 mark	2	
6	4A	 a) 49 - square b) 33 - multiple of c) 81 both 	All correct – 1 mark	1	
7a, b	4A	a) 10 b) 4	Both correct – 1 mark	1	
7c	4A	No – any appropriate reason e.g. 1 in 6 chance of rolling 5 or 6	No and reason – 2 marks Just ticked No – 0 marks		
8	4C	a) 45° b) 110° c) 23°	All correct – 2 marks22 correct – 1 mark2		
9	4B	290 minutes or 4 h 50 m	2 marks		
10	4B	7 hours	1 mark	1	
11	4A	a) 353.2 seconds b) Carl c) 4.3 seconds 7	All correct – 2 marks 2 correct – 1 mark	2	
12a	5C		1 mark	1	
12b	5C	Any number between 111 and 120	1 mark	1	
13	4A	368	Correct answer – 2 marks Correct method – 1 mark	2	
14	4A	648	Correct answer – 2 marks Correct method – 1 mark	2	
15	4A	£11.52	Correct answer – 2 marks Correct method – 1 mark		
16	4A	£832	Correct answer – 2 marks Correct method – 1 mark2		
17	5C	a) x d) + b) \div e) x, x c) - f) +, \div	All correct - 3 marks4 -5 correct - 2 marks3Less than 4 - 0 marks		
18	5C	a) 3 c) 3 b) 56 d) 5	All correct – 2 marks 2 or 3 correct – 1 mark	2	
19	5B	2592000	Correct answer – 3 marks Correct method – 2 marks	3	

Total- 39

Y5 Block 3 Assessments Sections A & B Guide to Levels

B3	3C	3B	3A	4C	4B	4A	5
0 – 12	13 – 19	20 - 27	28 – 35	36 - 43	44 - 51	52 - 59	60 - 69

Total Marks A + B = 69