Numeracy Initial Assessment MS- E1 - E2 - E3 - L1 - L2 { The first two pages are strictly for the use of assessors }

This assessment is of maximum duration of 1 ½ hours with the maximum of 100 Marks.

All questions are presented in gradually increasing difficulty and levels.

The students are to be asked to start from the beginning, even though the starting questions are too easy, to gradually progress through the questions to the higher level end.

This is an estimated recommendation only and the real abilities and assessment are to be judged in accordance with the individual requirements, any special needs and disabilities.

The questions and diagrams are taken from the web resources like https://www.excellencegateway.org.uk/content/etf17
I thank the teams and organisations for their resources used by me in compiling this assessment!

The assessment contain the following levels of numeracy with the corresponding distribution of marks out of the total 100 M (Marks)

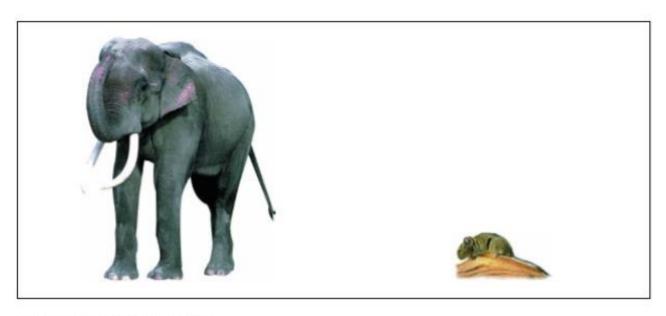
1.	Mile Stone – Pre-Entry→ 5 M
2.	Entry Level E1→ 14 M
3.	Entry Level E2→ 19 M
4.	Entry Level E3→ 20 M
5.	Entry Level L1→ 23 M
6.	Entry Level L2→ 19 M
	All 31 Questions carry a Total =→ 100 Marks

Max Marks allotted by Anwar for Each Level in Numeracy { Out of the total 100 }	Ages for Maths Achievement	Anwar's recommended Maths Level Ranges %	Maths Levels as recommended by AnwarHF	Stages & Class Years	CHALLENGE 100% National Level %
5	Ages 3 to 5 Years	0 TO 5 %	E0	PRE PRIMARY	
15	AGE 5 - 7 YEARS	6 TO 20 %	E1	KS1 Y1- Y2	0-19 %
20	AGE 7 - 9 YEARS	21 TO 40 %	E2	KS 1-2 Y2- Y4	20-39 %
25	AGE 9 - 11 YEARS	41 TO 65 %	E3	KS 2 = Y4 - Y6	40-59 %
20	AGE 11 - 14 YEARS	66 TO 85 %	L1	NEW GCSE 3 - 1 OLD GCSE D - G	60-79 %
15	AGE 14 - 16 YEARS	86 TO 100 %	L2	NEW GCSE 9-4 OLD GCSE A* - C	80-100 %

MS

Q.1
Write or express the suitable words for

Size:



Suggested tutor prompt

The elephant is	The mouse is
The depitality	THE HIOGSE IS

(1 Mark)

Q.2 Write or express the suitable words for

Length:



Suggested tutor prompt

The snake is

The pencil is

(1 Mark)

Q.3

$$4 - 2 =$$

$$5 - 4 =$$

$$6 - 3 =$$

1

2

3

5

$$8 - 2 =$$

6

7 8

9

4

10

(2 Marks)

Indicate the name or description of each shape with the lower case letter near the Q.4 corresponding

shape in the following diagram.



Suggested tutor prompt

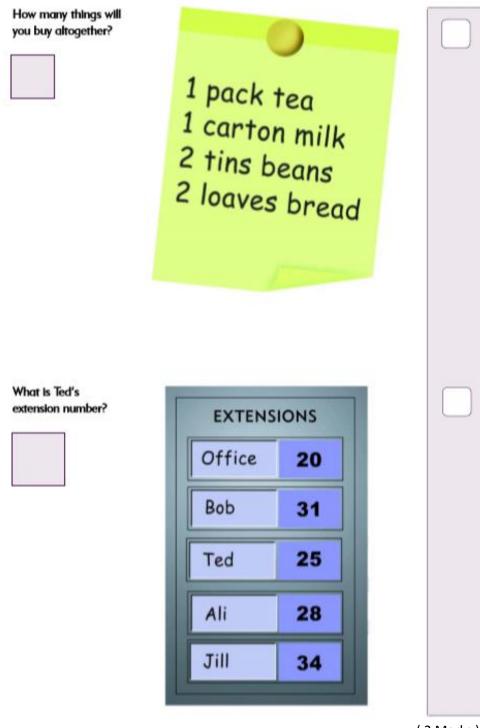
Look at the objects and show me:

- a. a circle
- b. a square
- c. something round
- d. something big
- e. something small

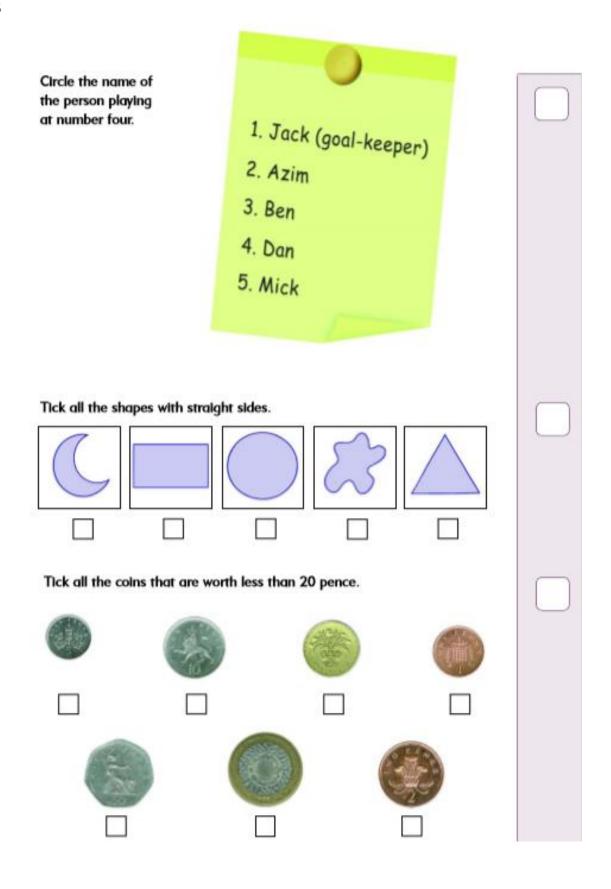
(1 Mark)

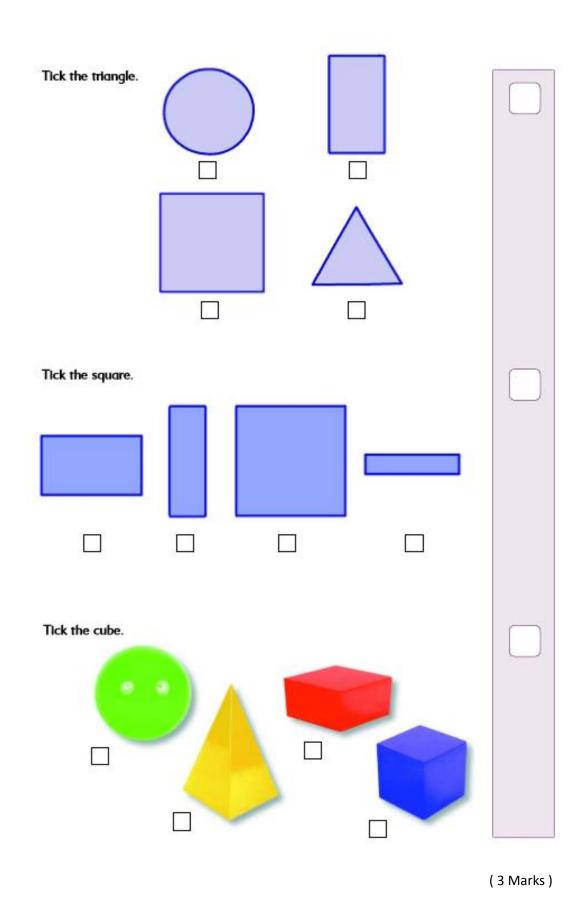
-- E1 -

Q.5



(2 Marks)





What is 7 take away 3?

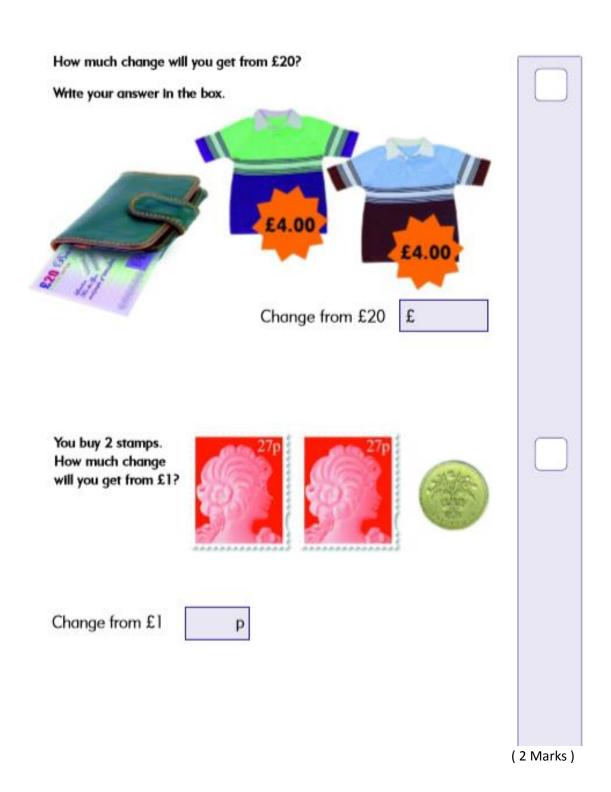
What is 6 take away 0?

What do you take away from 8 to leave 3?

10 take away 4 is the same as 8 take away.....?

Tick the sum that does not make 4.

-- E2 --



Halve this number and write down the answer.	
These people eat a quarter of the chocolate each. How many pieces do they each eat?	
Each person eats pleces of chocolate.	

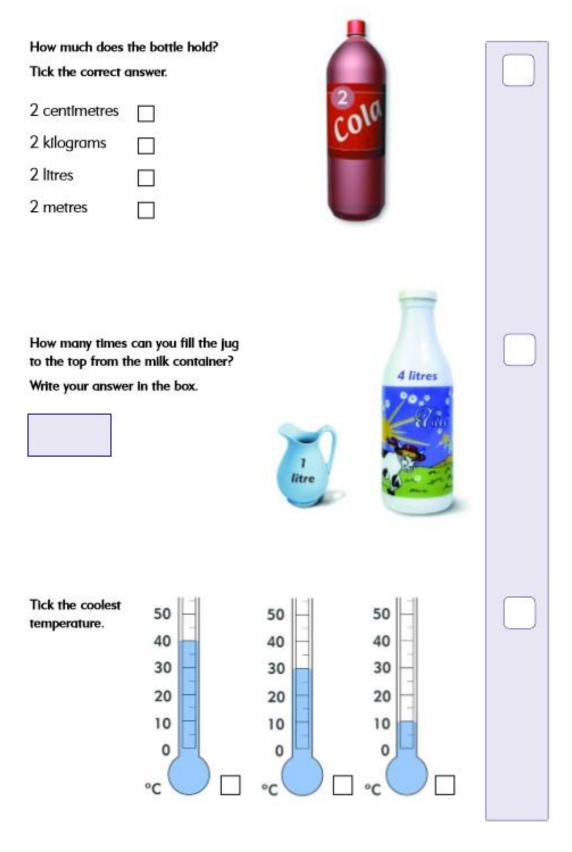
(2 Marks)

	Œ) (CUT	PRIC	CE C	AFE	(
	Fish and	chips		£3.20	Cup of	tea	£0.6	0		
	Sausage	and chip	ıs	£1.90	Pot of		£1.0	0		
	Pie and a			£2.50	Coffee		£0.9	0		
	Burger a			£1.30	Soft di	rinks	£0.7	0		
	Sandwich ham, che	ramin.	e anland	£120	16	A.				
	Salad: ha			£1.50	X		_			
	Portion o		oc, egg	£0.70						
	110000000000000000000000000000000000000	coloresconding)		-						
£										
70										
	s		W 2	11747 <u>2</u> 1						
What day of	the week	k is Ma	y the sl:	xth?						
- 3	the week	k is Ma	y the si		May]	
What day of Monday	the week	k is Ma	y the st			Thurs	Fri	Sat		
Monday	the week		52.		Wed	Thurs				
Monday Tuesday	the week		52.				Fri 3	Sat 4		
- 3	the week	Sun	Mon	Tues	Wed 1	Thurs 2	3	4		
Monday Fuesday Wednesday	the week		52.		Wed	Thurs				
Monday Fuesday Wednesday	the week	Sun	Mon	Tues	Wed 1	Thurs 2	3	4		
Monday Tuesday Wednesday	the week	Sun 5	Mon 6	Tues 7	Wed 1 8	Thurs 2 9	3 10	4 11		
Monday Fuesday Wednesday Thursday	the week	Sun	Mon	Tues	Wed 1	Thurs 2	3	4		
Monday Tuesday	the week	5 12	Mon 6 13	7 14	1 8 15	2 9 16	3 10 17	4 11 18		
Monday Tuesday Wednesday Thursday	the week	Sun 5	Mon 6	Tues 7	Wed 1 8	Thurs 2 9	3 10	4 11		
Monday Tuesday Wednesday Thursday	the week	5 12	Mon 6 13	7 14	1 8 15	2 9 16	3 10 17	4 11 18		
Monday Tuesday Vednesday Thursday	the week	5 12	Mon 6 13	7 14	1 8 15	2 9 16	3 10 17	4 11 18		

(2 Marks)

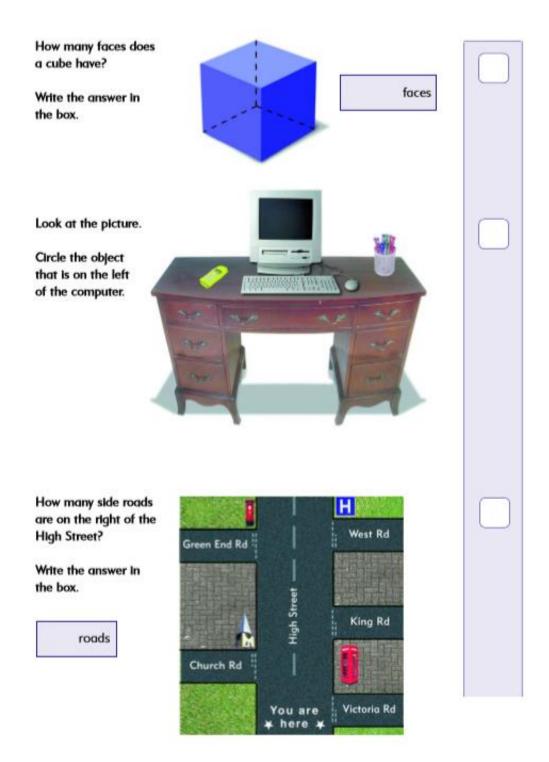
Q12

Jack is 90cm tall. Is he tall enough to go on this ride? Tick yes or no. You must be 1 metre or over to go on this ride no	
What do these letters mean? Tick the correct answer. kilometres	
How heavy is the parcel? Write your answer in the box. kg	

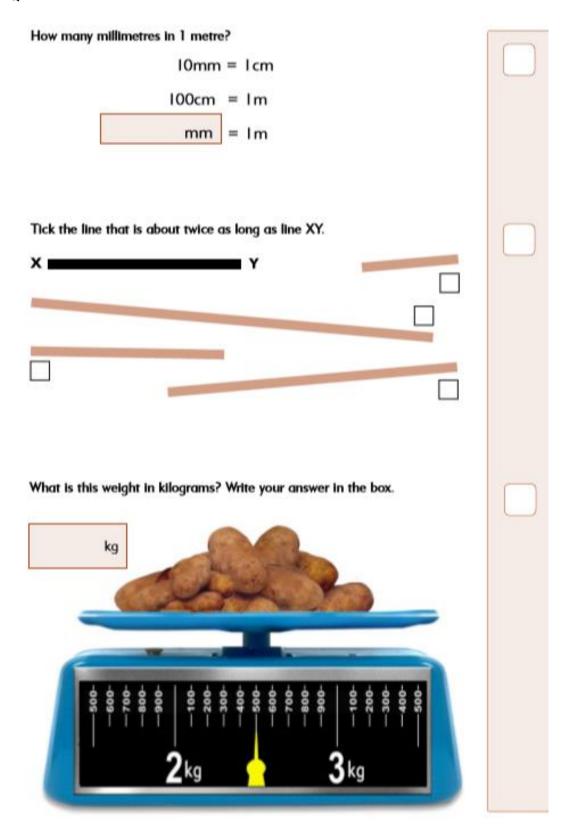


(3 Marks)

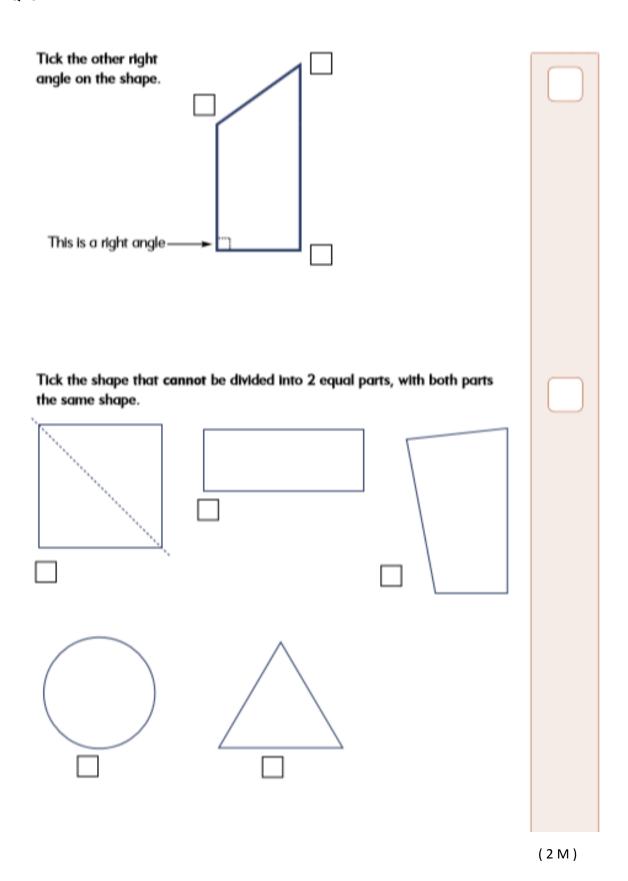
Circle the 21st M	March 2002.			
21/03/02	21/04/02	21/10/02	21/09/02	
Tick the date the	nt is NOT the 26th No	vember 2002.		
26/11/02	26th November 2002	02/06/02	26 Nov 02	
Tick the display	that shows the same t	me as the clockfo	nce.	
10 12			-	
	10:15	10:00	10:30	
Tick the clock th	at says nine forty-five.		_	
11 12 1	11 12	2	11 12 7	
3. 3.	.8 .7	5, 4.	3, 5, 4	

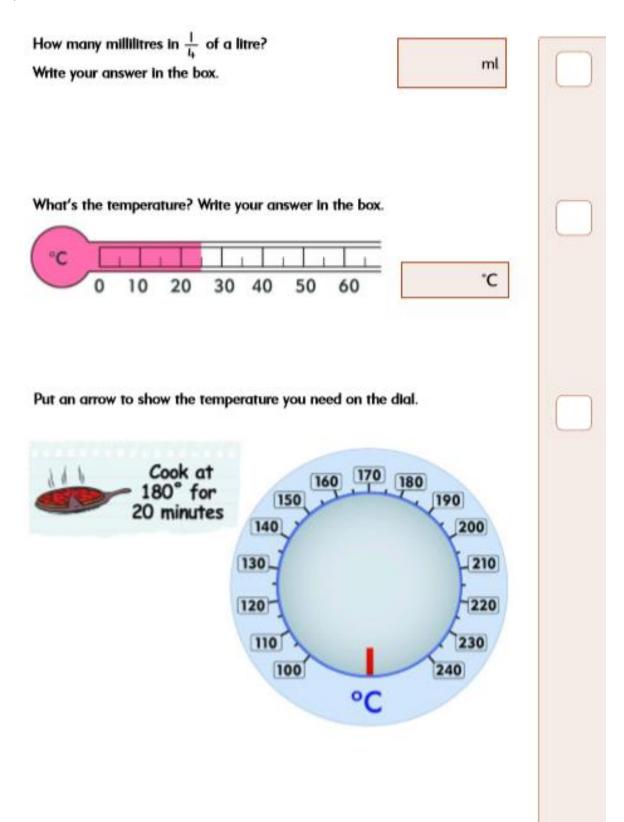


E3				
Q.16				
*Call your tutor before you do this ta	sk.			
3 of these have the same answer. T	ick the odd one o	ut.		
7 + 8 19 - 5 5 × 3 30 ÷ 2				
Use your calculator to check this su	m. Tick the correc	ct answer.		
£3.40 + 76p	£11 £416.00 £79.40 £4.25 £4.16			
Use your calculator to check this su	m. Tick the correc	ct answer.		
£16.37 – 92p	£15.45 £75.63 £15.45 £17.29 £15.35			
Use your calculator to work out this				
£14.19 ÷ 8 =				
£1.77			TOTAL	
				(4M)



Mark the weight of the parcel on the scales. FRAGILE How many grams in $\frac{1}{2}$ of a kilogram? You need to weigh the fish. Tick the unit of measurement to use. litres grams metres kilometres centimetres





Write	your	answer	ln	the	box.
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Write your answer in the box.

Write your answer in the box.



Write your answer in the box.



Is this correct? Tick yes or no.

$$30 \div 2 = 2 \div 30$$

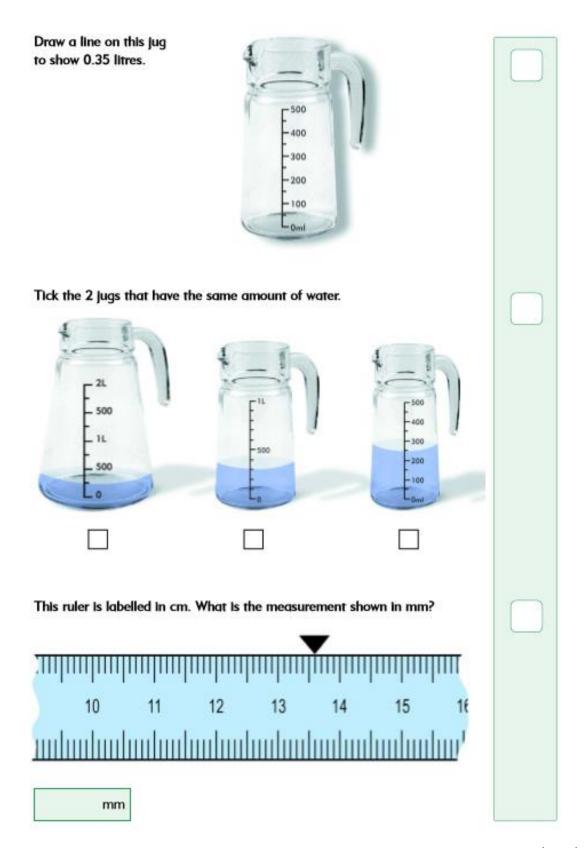
yes	no	

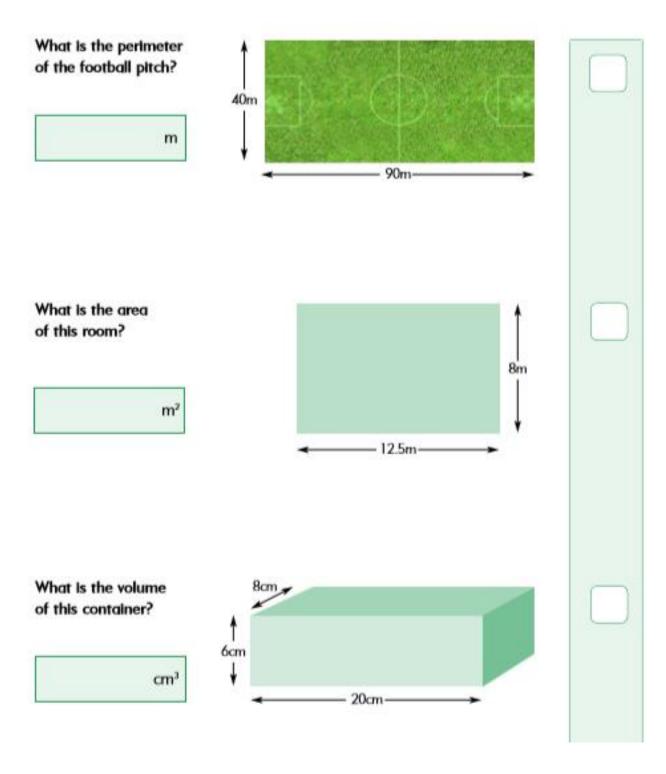
(5 M)

	ks an extra 130 i y hours and min		r normal shift tii	me.		
	_ hours	minutes				
	on duty from 11: y hours does she					
	hours	minutes				
A TV programme starts at 7.55pm and finishes at 9.50pm. How long does it last? hours minutes						
hours and	ira's time sheet f I minutes she ha he has worked f	s worked each o				
Time she	eet: hours work	ed]		
Day	Time started	Time finished	Hours worked			
Mon	0830	1615				
Tues	1020	1250				
Wed	0700	1530				
Thurs	0830	1900				
FrI						
	Total	hours worked		TOTAL		

Tom earns £100 a week and has a pay rise of 10%. Pat earns £300 a week and has a pay rise of 5%. Who had the bigger increase? Tom Pat Sind 10% of £90. £ Find 20% of £4.50. £ In a sale, a table costing £160 is reduced in price by 25%. What is the new price? £	
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What is the new price?	
What is the new price?	
£	
Potrol costing 80p a litro has a price increase of 20%	
Potrol coeting 80n a litro has a price increase of 20%	
What is the cost per litre now?	
P	

(6 Marks)





(3M)

Birmingham	120	•				
Manchester	203	88]			
Glasgow	413	298	220		201	
Oxford	57	68	161	371		
York	212	134	71	216	184	
	London	Birmingham	Manchester	Glasgow	Oxford	
ow far is it fro		own A	6cm	town I	3	
	km			scale: 1cm	= 12km	
On four separa low far did he	ite days To		7km, 160km, 2			

A football team scored 15 goals in What was the mean (or average) re	-	ame?	
What is the range of highest	Highest daily	y temperature	
daily temperatures? Tick the	Mon	22°C	
correct answer.	Tues	18°C	
a. 23°C	Wed	19°C	
b. 22°C – 23°C	Thurs	19°C	
c. 20°C	Fri	23°C	
d. 17°C – 23°C	Sat	17°C	
e. 6°C	Sun	22°C	
Here are two spinners, A and B. Re it is true and a cross (x) if it is not		nd put a tick (✔) if	
Scoring 1 is more likely on A than a	on B.	2	

В

(3 M)

##	L2	##
----	-----------	----

Circle the number that is not a factor of 12.					
2		4 9		12	
-	3	,		12	
ls 49 a	multiple of	7? Tick y	es or n	о.	
yes	no]			
		_			
Circle th	ne number	that is no	t a mu	ltiple of 6.	
18	26	42	60		
What is	the next p	rimo num	hor aft	or 122	
Wildt is	the next p	nme num	ber an	er 13:	
Estimate how much money Jim would need to buy 19 items at £2.99 each. You do not need to give the exact answer.					
£					
Facture	- els-	علم مع سم	nuchle:	m. You do not need to observe the second	
number.		er to this	problei	m. You do not need to give the exact	
2999	× 98				
21					

(6M)

There are 12000 supporters at a football match. 10000 are home supporters and the rest are away supporters. Complete the ratio of home supporters to away supporters. _ : 1 Fill in the missing measurement. Scale Size drawn Actual size 1:5 250m 1250m 125cm 1250cm 1:10 1:50 110mm mm 6cm

What is the actual length of the room in metres?

m 1.5cm

Scale: 1:100





Find the value.

$$a = 3$$
 $b = 4$

Tick the box to show which formula means the same as: perimeter = 2 (l + w).

$$2l + w$$

$$l + l + w + w$$

$$2 + l + w$$

$$2 \times l \times w$$



A car travels 180 miles in 3 hours. Use this formula to work out the average speed of the car.

Average Speed $= \frac{d}{t}$

mph

(5 M)

	ation of Wales is app in numbers in the bo	proximately $2\frac{1}{2}$ million.	
What is th	a value of the 7 in t	his number 2 Write very energy in words	
What is th	e value of the 7 in th	his number? Write your answer in words.	
370020	6		
What is th	e next number after	3 099 999?	
		s company make over the years from	
	01? Write your answ writing a plus sign or	er in the box. Show whether it is a profit a minus sign.	
Year	Profit/Loss (£)]	
1999	+ 125000		
2000	- 1385000		
2001	+ 690000		
The tempe	erature is -2° C. It ris	ses by 5°C. What is the temperature now?	
Circle the	correct choice.		
	correct crioice.		
7°C		3°C –3°C 5°C 2°C	
7°C		3°C –3°C 5°C 2°C	

---* End of the Assessment *---