RELAY ROUND

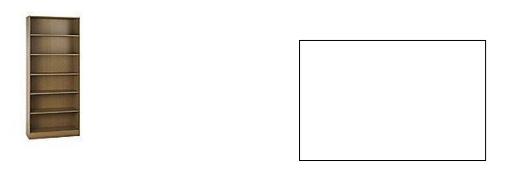
- Time allowed: 40 minutes.
- Teams will work in pairs, in separate parts of the room.
- There are 30 questions in total, 15 for Pair A and 15 for Pair B.
- *Two* marks are awarded for every correct answer. Pairs will have two chances to answer each question and there is no penalty for giving a correct answer at the second attempt. A question is marked either correct or incorrect and no partial marks are awarded.

A1 In a year in which 1 st April is on une?	a Sunday what day is 1 st
38 A circle is divided into 8 equal What is the angle of one of the eightentre, C, of the circle?	
(Diagram not drawn to scale)	
C	

B1	How many	seconds are th	nere in 3	hours?	
			[
			L		
he h but	nas only save she insists h it take him t	ed £5.90. His noted the pays her bac	num offe k at £1.4	y! It costs £25.50 rs to give him the 0 a week. How lo	rest
	•••				

		-	pieces in a jar. When I we 8. How many two pence	nt
	es make this tot		o. How many two pence	
•				
				7
	_		rection will he be facing	if
he tu	rns clockwise t	hrough 2 right	angles?	
				7

B2 The wooden book shelves have fixed ends. For the books to stay upright on each shelf, a divider is needed every eight books. There are 3 dividers on each shelf and 20 shelves. The shelves are all full. How many books are there?



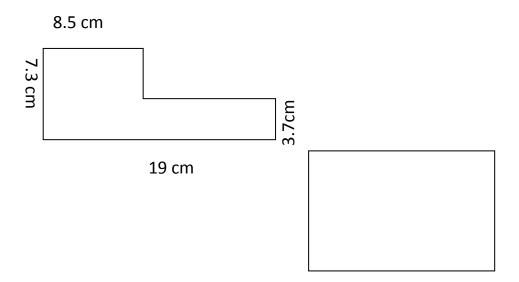
A10 Harry spent $\frac{3}{5}$ of his money on sweets and 30% on ice creams. What fraction of his money is left?

A3 In 2012 the population of a small tow 8968. In four years time it will double and four years it will double again.	
What will be the population in 2020?	
B10 How many 250 millilitre glasses can litre jug?	be filled from a 2.5

B3 Auntie Betty is saving all her five pen The total money Auntie Betty has is £18.5	
How many coins are there in the jar?	
A11 Our local youth group went sailing weat camp holiday. The sail boats had different between 100 and 999 on their sails. Our gethat these numbers were all the square now with the digit '1'. How many boats were byouth group?	three digit number roup leader noticed umbers which end

A4 What is the perimeter of the shape?

(Diagram not drawn to scale)

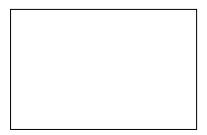


B11 Jane and Ann went shopping and Ann spent £8.45 more than Jane. Altogether they spent £25.35. How much did Jane spend?

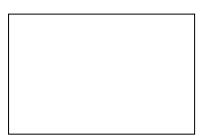
B4 Integer Hall and Gardens will on dates that are square numbers, each month. In one year how man Gardens be open?	for example, on the 4 th of
A12 At the end of running the local finished at 16:22. I took 3 hours 4 marathon. What time did my watcomarathon?	5 minutes to complete the

A5 The school shop bought pencils in boxes of 250 for £12.50. The shop wants to make a profit of 9p per pencil. How much should they sell each pencil for?

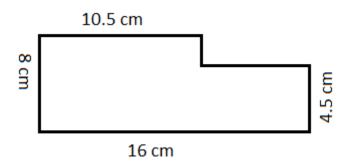




B12 Each member of the class agreed to give 1p to charity on Monday and then to double the amount given the previous day finishing on the Friday of that week. The teacher added 50p on each of the five days. How much did the class of 30 give to charity that week?



B5 What is the perimeter of this shape?



A13 I set off with a twenty pound note and buy a magazine that costs £5.95, some sweets that cost £4.50 and a new pen. I am given £4.25 change. How much is the pen?

A child is walking at an average speed of 4 km/h. How long will it take him to walk 10km? **B13** Tanya has just added up all the numbers in her junior Sudoku. The junior Sudoku has only the numbers one to six in each section and only six sections. The diagram shows an example of one section. What total did Tanya get?

1		6		
3	5	4		

were minu	In the long distance run two brothe racing against each other. Tom did ites and John took 111.53 minutes. Tom finish ahead of John?	the distance in 76.1
A14	How many minutes are there in on	e day?

A7 The circle has a radius of 3.5cm. Whe smallest square into which the circle can (Diagram not drawn to scale)	
B14 Every week granny puts her change end of the month she spills it out onto the up how much she has saved. Last month pence coins, 14 pennies and eight 5p pie she saved?	ne table and counts a she had 23 two

They	Six children ead each received n was the sum	£3.18 and tl	-		-
long.	My talking boo There are ten een the shorte	CDs for one	story. Wh	nat is the diffe	erence

A8 sma	A right-angled triangle has an angle of llest angle in the triangle?	55°. What is the
min	The number 45 bus passes my house outes starting at 06:00. If I look out for a long do I wait before a bus passes? (Assume the buses are always on time!)	•
min	utes starting at 06:00. If I look out for a long do I wait before a bus passes? (Assume the buses are always on time!)	•