- 1 The table below shows how many people like which each type of sweet. How many people like chocolate?
 - 🙂 = 50 People

	Type of Sweet					
	Chocolate	0000	00			
	Boiled sweets	000				
	Jelly sweets	00				
	Fizzy sweets	00				
	Liquorice	0				
	6	30	50	300	3000	
2	There are 826 pu pupils don't go or	pils at a schoo n holiday in the	l. Of these, 528 p summer?	upils go on a holida	ay in the summer.	How many
	158	198	298	302	358	
3	Which object is m	nost likely to be	e about 2m tall?			
	Actool	A chair	A tabla	A cooker	A door	
-						
4	there were 14 mc	s went on the pre pupils on th	ne trip than in 20	06. How many pupil	ls went on the trip	ina in 2007 in 2007?
	20	42	50	70	0.4	
_	28			70	84	
5	Which number is	divisible by bo	th 2 and 5?			
	5	25	50	52	225	
6	Jason pays £5.80	towards a caf	é bill of £9.02. Ho	ow much remains for	or his friend to pay	?
	£2.18	£3.18	£3.22	£4.18	£4.22	
7	Which is the high	est temperatur	re?		1	
,		P				
	25°C	-13ºC	0 ⁰ C	5°C	-32°C	
8	Below are sets of	three numbers	s. Which set has	only numbers that a	are multiples of bo	th 2 and 3?
	8, 9, 10	9, 10, 20	10, 12, 16	12, 18, 24	16, 21, 30	
9	The vending mach The table shows t How many contai	hine contains 2 the flavours of ners of still ora	200 drinks. still drinks and fi ange are there?	zzy drinks.		
	Orange	Apple Black	currant			
	Still ?	36	41			
	Fizzy 18	48	43			
	4	14	24	34	44	



16 Juliet and her friends are delivering leaflets around the local housing estates. Juliet wants to choose a housing estate where she won't have to walk down the same street more than once (she can pass over the same corners more than once). On which of these street layouts is this possible?



15	150	200	225	240	

18 What are the coordinates of the cross in the grid shown below?



19 The grid below covers a map of an island used in a computer game. What are the coordinates of the well?



20 A plan of a house uses a scale of 2cm to 3m. On the plan the living room is 5cm long. What is the real length of the living room?

2.5m	5m	6m	7.5m	10m
-	-	-	-	-

21 Ali wants to program a robot to travel along the path shown in the picture. The robot can only move FORWARD, TURN RIGHT 90° and TURN LEFT 90°.

What instructions will take the robot through the maze, (starting and finishing outside the maze, at the points labelled)?



FORWARD 2,	FORWARD 2,	FORWARD 2,	FORWARD 2,	FORWARD, LEFT
LEFT 90°,	LEFT 90°,	LEFT 90°,	RIGHT 90°,	90°, FORWARD,
FORWARD,	FORWARD,	FORWARD, LEFT	FORWARD, LEFT	RIGHT 90°,
RIGHT 90°,	RIGHT 90°,	90°, FORWARD	90°, FORWARD	FORWARD,
FORWARD 2,	FORWARD 2,	2, LEFT 90°,	2, LEFT 90°,	RIGHT 90°,
RIGHT 90°,	LEFT 90°,	FORWARD 2,	FORWARD 2,	FORWARD 2,
FORWARD 2,	FORWARD,	LEFT 90°,	RIGHT 90°,	LEFT 90°,
LEFT 90°,	RIGHT 90°,	FORWARD, LEFT	FORWARD, LEFT	FORWARD,
FORWARD,	FORWARD 2	90°, FORWARD 2	90°, FORWARD,	RIGHT 90°,
RIGHT 90°,			2	FORWARD 2
FORWARD 2				

22 How many matches are needed to make the next shape in the sequence?



26 The piece of card is being measured with a ruler. What is the measurement shown on the ruler?

]			
	9.02cm	9.03cm	9.3cm	12cm	93cm	
27	What percentage	e of this grid is s	haded?			
	62.5%	62.7%	65.2%	67.2%	67.5%	
28	Which number is	s closest in value	to 20?			
	20.01	20.1	19.999	20.009	19.9	

29 The pie chart shows the proportions of different pupils who named that colour as their favourite. If there were 27 pupils who chose green as their favourite colour, how many chose a colour other than green, red, blue or yellow?



30 The shaded corners are cut out of this flat shape which is drawn to scale with each small square being 4cm by 4cm. It is then folded to make an open box. What is the volume of the box?



31 What i	31 What is this number to one decimal place?										
4	5. 1988	5									
46.198	32	46.1983		50		46.1		46.2			
32 The di What i	32 The diagram below shows the plan of a room. What is the area of the floor?										
4r	n Im 2m										
10m ²	2	12m ²		14m ²		16m ²		24m ²			

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33 The bar chart shows the results of counting the number of cans of cola that children consume in a month. Which statement must be true?



35 Terri's parents are recording how many gold stars she earns at school. The table shows how many stars she gained on each week day.

Day	Number of Stars
Monday	7
Tuesday	7
Wednesday	2
Thursday	3
Friday	6

What is the mean number of stars for the week?

4	5	6	7	25	
36 What is the	perimeter of this s	hape?			
z	у				

2x + 2y xy + xz + yz 2xy - 2z 2x + 2y + 2z x + y + z

37 Which of the nets shown below can be folded up to form a cube?



38 Which row of the table below shows a prime, square and cube number in the correct order?

	Prime	Square	Cube
	Number	Number	Number
а.	8	88	888
b.	23	25	9
с.	15	23	64
d.	19	9	81
e.	7	36	27
А		В	

39 Michael has 4 red marbles, two blue ones, a yellow one and a green one in his pocket. He picks one at random. Which of the following is true?

He has a lessHe has an evenHe has the sameHe has a lessHe has a morethan even chancechance of pickingchance of pickingthan even chancethan even chanceof picking a red
marble.a green marble.a blue marble as
green one.of picking a blue
marble.of picking a blue
marble.of picking a blue
marble.

40	O n holiday Tom buys some sweets for \$2.00. He calculates that the sweets cost £1.11. How much would it cost in pounds for a book priced at \$6.00?											
	£2.22		£3.33		£4.42		£5.41		£8.92			
41	11 In 3 years' time, Leon will be x years old. How old was he 7 years ago?											
	3x + 7		3x - 7	x	+ 3 + 7	>	+ 3 - 7		x - 3 - 7			
42	There are 9	00 pup	ils at a sch	ool. Tw	o fifths of t	them ha	ive pet dog	ıs. Hov	w many pu	pils is this?		
	0.25		25		180		250		360			
43	 A shopping list includes the following items: apples, apricots, bananas, baked beans, biscuits, bread, broccoli, carrots, jam, milk, mushrooms, frozen peas, sugar and tea. What percentage of the items on the list begins with the letter B? 											
	5%		6%		36%		43%		65%			
44	14 The decision tree below is used for sorting boxes. What is missing from the empty shape?											

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8.2	8.3				
8.22	8.24	8.26	8.4	8.6	

46 What is the weight shown on the scales below?



47 Stevie is making sandwiches. She has 4 different sandwich fillings, 3 types of bread and 3 different garnishes.Which shows the number of possible combinations of filling, bread and garnish that she can

assemble into a sandwich?

3 + 4 + 3 3 x 4 x 3 (3 x 4) + (3 x 4) (3 + 4) x (4 + 3) 0.3 + 0.3 + 0.4

48 Which net below would make a cube where the two shaded sides were not next to each other?

