



11+ MATHEMATICS SAMPLE PAPER

45 minutes

Eq	uipment	Required	: Penci	I and	l pen
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Special Instructions: All working must be clearly shown and must be set out

in the space provided. Attempt as many questions as you

can, in any order.

Calculators may **not** be used.

Marks for each question are shown.

Name:			
Result:			
Comment:			

1.	Write the number thirty thousand eight hundred and five in figures.				
	Answer	[1]			
2.	Write the number 602 174 in words.				
	Answer				
3.	Write down all the factors of 24.				
	Answer	[3]			
4.	Fill in the gaps:				
	(a) 2.2 km = meters	[1]			
	(b) 575 ml = litres	[1]			
5.	Calculate the answer to				
	(a) ⁻ 8 + ⁺ 6 =	[1]			
	(b) ⁻ 7 - ⁻ 3 =	[1]			

6.	Work out each of the following and write your answer in the space provided:					
	(a)	72 ÷ 9 + 3=				[1]
	(b)	25 – 3 x 7 =				[1]
	(c)	36 ÷ (12 - 3) =				[1]
7.	Work o	out:				
	(a)	£8.39 + 63p		(b)	£6.00 - £2.79	
	Answe	r	[2]	Answe	r	[2]
	(c)	£3.24 x 17		(d)	£29.96 ÷ 7	
	Answe	r	[3]	Answe	r	[3]

8.	Nicole downloaded 6 MP3 albums.	Each album cost £8.98 and contained 13 tra	cks.
	(a) How many tracks did she buy?		
	(b) How much did she pay in total?	Answer	[1]
		Answer	[1]
9.	37 girls are going to a Netball Tourn people. How many minibuses are n	ament with 6 adults. Each mini bus holds 17 eeded?	7
		Answer	[3]
10.		ust allow 1 hour and 12 minutes to get to the leave home and still catch the train?	9
		Answer	[2]
11.	(a) Write down the next two terms	in this	
	5, 12, 19, 26,,,		[2]
	(b) Fill in the missing numbers in thi	s sequence	
	5,, 21, 29,45, 53		[2]

12. Look at the numbers in the cloud:



Write down **all** the numbers in the cloud that are:

- (b) prime numbers[1]
- (c) factors of 45[1]

13. There are 18 chocolates in a box. $\frac{2}{3}$ are milk chocolate, the rest are plain. How many chocolates are plain?

Answer [2]

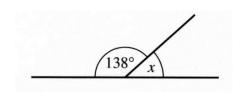
14. 9 girls were asked how many pets they had. These are their results			ow many pets they had. These are their results.	S.	
	Find t	the mode, medi	7, 5, 1, 5, 4, 3, 5, 7, 8 ian, mean and range.		
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
			The mode is	[1	
			The median is	[2	
			The mean is	[2	
			The range is	[1	
15.	Work	out the followi	ing:		
	(a)	40% of £200			
			Answer	[2	
	(b)	35% of 500g			
	(2)	3370 01 3008			
			Answer	[2	

16.	Harriet thought of a number. She added 4 and then multiplied by 3. She added 6 to
	her answer and then divided by 4 to get 9. What number did Harriet first think of?

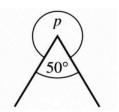
Answer	[3]
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17. Jess went out hunting for ladybirds. She collected some with 7 spots and some with 10 spots. If she collected 9 ladybirds with a total of 72 spots between them, how many had 7 spots and how many had 10 spots?

18. (a) Work out the angle marked x.



(b) Work out the angle marked p.



19 Solve these equations:

(a)
$$x + 4 = 7$$

$$x =[1]$$

(b)
$$3y = 15$$

$$y =[1]$$

(c)
$$\frac{p}{4} = 5$$

(d)
$$7 - n = 9$$

END OF EXAMINATION

Total