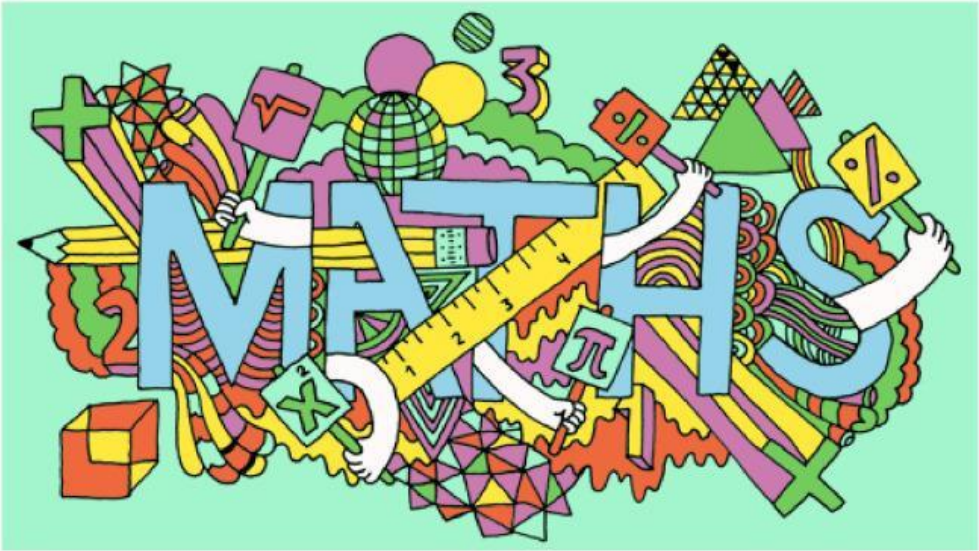
Maths Department

Pre-test Practice Mk5

Number logic, areas and perimeters, ratios, shapes.



Name:_____

LIVEWORKSHEETS

Question 1				
What is 514 x 677				
347,978	347,977	347,997	3478	34, 978

Question 2				
What is 271 x 25 x 345 x 4 ?				
9,349, 050	9,349,500	9,349,005	9,349,550	9,349,055

Question 3				
Which number is prime?				
17,187	111,317	17,289	77,175	771,111

LIVEWORKSHEETS

Question 4				
What is the lowest common **multiple** of 48 and 56?				
2	4	8	16	336

Question 5				
What is $3000 \div \frac{1}{3}$?				
9000	1000	6000	1500	900

Question 6				
What is $875 \div 25$?				
850	350	37	35	42

LIVEWORKSHEETS

Question 7				
What is the perimeter of a regular decagon of side 17 cm?				
8 cm	27 cm	170 cm^2	1710 cm	170 cm

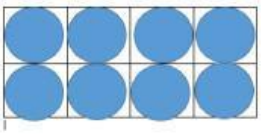
Question 8				
A square has an area of 64 cm^2. What is the length of one side?				
8 cm^2	16 cm	8cm	32 cm	4 cm

Question 9				
A square has an area of 49 cm^2. What is the perimeter?				
7 cm	28 cm	28 cm^2	14 cm	14 cm

LIVEWORKSHEETS

Question 10				
A square has a perimeter of 16 cm. What is the length of one side?				
4 cm^2	8 cm	4 cm	2 cm	12 cm

Question 11				
A square has a perimeter of 40 cm. What is its area?				
400 cm	100 cm	400 cm^2	1600 cm^2	100 cm^2

Question 12				
Pills are sold in rectangular arrays such as this pack of eight pills. Which number of pills could only be sold as a long thin pack of pills? 				
14	15	16	17	18

LIVEWORKSHEETS

Question 13				
A rectangle has a perimeter of 24 cm. It has a length of 7 cm. What is the width of the rectangle?				
5 cm	7 cm	17 cm	12 cm	12 cm

Question 14				
A rectangle has a perimeter of 40 cm. Which of these could NOT be its dimensions?				
20cm by 1 cm	19 cm by 1 cm	15 cm by 5 cm	8 cm by 12 cm	11 cm by 9 cm

Question 15				
What do all these numbers have in common? 64 8 1 27 125				
They are all square numbers	They are all less than 125	They are all prime numbers	They are all divisible by 3	They are all cube numbers

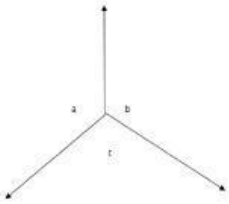
LIVEWORKSHEETS

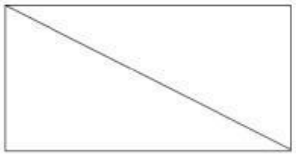
Question 16				
Jasper and Gemma share sweets in a ratio of 5 : 2. They share a total of 28 sweets. How many does Jasper get?				
9	4	20	16	8

Question 17				
Alfie and Ed share their winnings in a ratio of 4 : 1. Alfie gets £12 **more than** Ed. How much money do they share altogether?				
£16	£20	£24	£4	£12

Question 18				
A box has twice as many milk chocolates as white chocolates. The box has 33 chocolates altogether. How many milk chocolates are there?				
11	3	12	22	24

LIVEWORKSHEETS

Question 19				
 The angles a, b and c are equal. What is the order of rotational symmetry of the diagram?				
0	4	3	2	1

Question 20				
 I fold a rectangle along its diagonal. What outline shape do I get?				
square	pentagon	triangle	kite	hexagon

LIVEWORKSHEETS