

P5-7 Maths Tasks

Week beginning 25.5.2020

Maths Homework Options

To keep your mental maths up to scratch, keep working through your maths options sheets.

10-15 minutes during each maths session will help your number work.

Magic Squares

Use the numbers 1-9 to fill in the first set of magic squares on page 4, so that every row, column and diagonal adds up to 15.

You can only use each number once—you've got to use every number from 1-9.

6		
	5	
8		

Challenge—use the numbers 1-16 in the last 4 magic squares. Each row/column/diagonal must make 34.

Area Problem Solving 1

The store in my town which sells windows calculates the price of windows according to the area of glass used and the length of frame needed.

Can you work out how they arrived at the prices of the windows on page 2?



Area Problem Solving 2

Can you draw a square where the **area** and the **perimeter** are numerically **equal**?

Is there more than one solution for this?

Can you find any rectangles that work?

5-a-day

I've put some number problems on page 3, you can choose 5 each day to work on like we would in class.

Remember to choose a level that is challenging enough for you.

Hit the Button

I played Hit the Button on Topmarks again this week. I tried with mixed tables and my best score was 28.

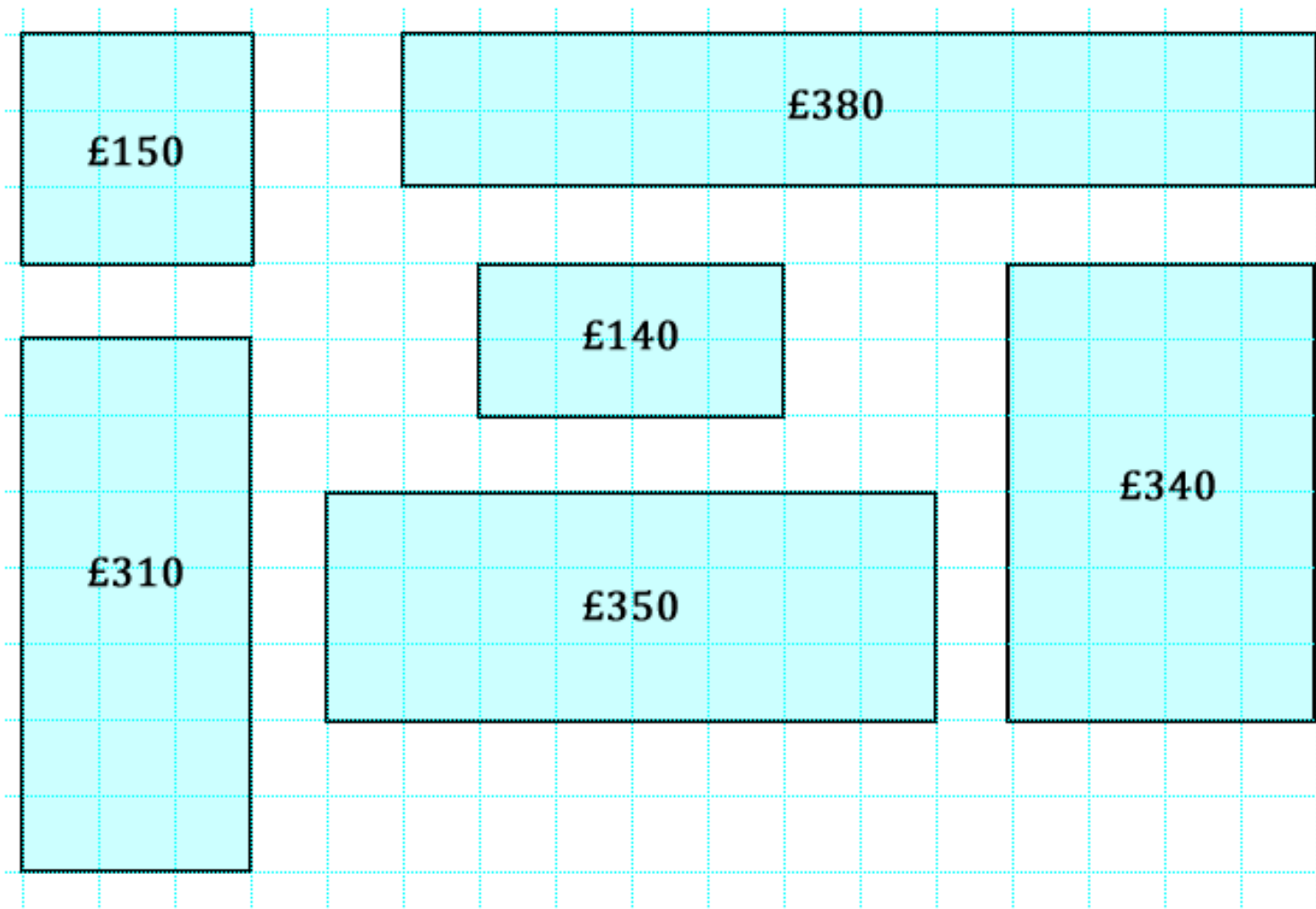
Try and beat me.



Area and Perimeter Problem Solving 1

The store in my town which sells windows calculates the price of windows according to the area of glass used and the length of frame needed.

Can you work out how they arrived at the prices of the windows below?



Are there any windows that use the same amount of glass? How do their frame lengths differ? Are there any windows that use the same amount of frame? How do their glass areas differ?

5-a-day

Choose a level of challenge, choose a row to do each day

Mild

- $6353 + 2536$ $68273 - 26306$ 7364×4 $480 \div 5$ $3 \times 9 > 5 \times 8$, true or false?
- $6374 + 8999$ $8009 - 2995$ 673×7 $378 \div 6$ 71, 61, 51, ____, ____
- $3747 + 1076$ $7384 - 1999$ 367×9 $592 \div 8$ $29 + 17 < 14 + 32$, true or false?

Medium

- $72.374 + 374.33$ $2738.3 - 263.9$ 7.26×8 $274.8 \div 6$ 25, 50, 75, ____, ____
- $8.998 + 37.85$ $987.5 - 23.87$ 7008.4×6 $688.1 \div 7$ 250, 500, 750, ____, ____
- $867.88 + 8.996$ $734.5 - 84.26$ 834.3×7 $593.76 \div 8$ $10 \times 6 < 4 \times 15$, true or false?

Spicy

- $73.3 + 838.36 + 7.364$ $83.3 - 7.793$ 33×83 $900 \div 8$ Which is biggest $\frac{1}{2}$ 0.25 30%
- $726.3 + 2663.8 + 4.938$ $625 - 7.236$ 27×76 $6253 \div 4$ 1, 2, 4, 8, 16, ____, ____
- $6.55 + 476.5 + 87.3$ $982 - 3.318$ 73×24 $76.5 \div 2$ 1.02, 1.04, 1.06, ____, ____

MAGIC SQUARES SHEET

6		
	5	
8		

	9	2
8		

8		
1	5	
	7	

4		
	5	7
	1	

	1	
4		2

4		
	5	
2		

		8
	5	
	7	

	7	
9		
4		

	11		5
6	13	12	
		7	
15			10

7		9	
	11		16
	6		
	13	8	1

		15	10
	14	8	
16	3		
	12	2	

4		16	
11			
	12	9	
	3	2	15