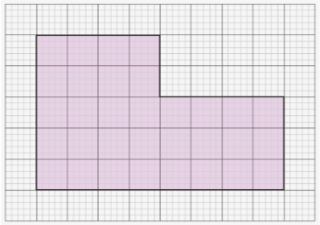
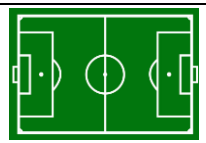
Year 6 maths week 1

5 days of problem solving	Day 1 Activity	Day 2 Activity	Day 3 Activity	Day 4 Activity	Day 5 Activity
Factual fluency (to aid fluency)	https://www.topmarks.co.uk/maths-games/hit-the-button square numbers	https://www.topmarks.co.uk/maths-games/hit-the-button square numbers	https://www.topmarks.co.uk/maths-games/daily10 level 5-doubles/halves-halves: ones & tenths	https://www.topmarks.co.uk/maths-games/daily10 level 5-doubles/halves-halves: ones & tenths	https://www.topmarks.co.uk/maths-games/daily10 level 5-doubles/halves-halves: ones & tenths
5 days of problem solving	Using any unit of measure you like (feet, hands, steps, cm, m) **First** estimate, **then** calculate **finally** compare the perimeter of two rooms in your house	If a football pitch has an area of 7,140 metres squared, what could its length and width be? How many times would your living room fit in it?	Find at least three different ways to find the area of this figure(below) Each square is 1m wide 	What number do the Roman numerals CLXVIII show? What is 848 in Roman numerals? How would you write the date 1888 using Roman numerals? Make a poster that shows a way to remember the values of V, X, L, C, D, M	My friend has two strange dice: the faces show the numbers 1 to 6, but the odd numbers on each dice are negative (so, -1, -3, -5 instead of 1, 3, 5). If I throw both dice, which of the following totals **cannot** be achieved? a) 3 b) 7 c) 8
Resources you will need	Tape measure (optional) Paper and pencil	Paper and pencils	Figure below Pencil and paper	Pencil and paper Support grid (key) below	Pencil and paper
Tips, clues or methods to help	4 steps is roughly 3 metres Perimeter is the distance around the outside of a shape calculated by adding the length of all sides together	 Area = length x width Area = $7{,}140m^2$ Length x width = $7{,}140m^2$	Think about the different ways the figure can be split into rectangles Remember, to find the area of a rectangle we multiply length and width	What are the most important Roman numerals to learn?	Jot down your calculations and be methodical
Want to check?	Check your calculation	Use division to check	Checking not required	Check with the key below	Check your calculations
Theme	Perimeter and area	Perimeter and area	Perimeter and area	Roman numerals	Negative numbers

Additional online activities: https://nrich.maths.org/5958 (negative numbers)

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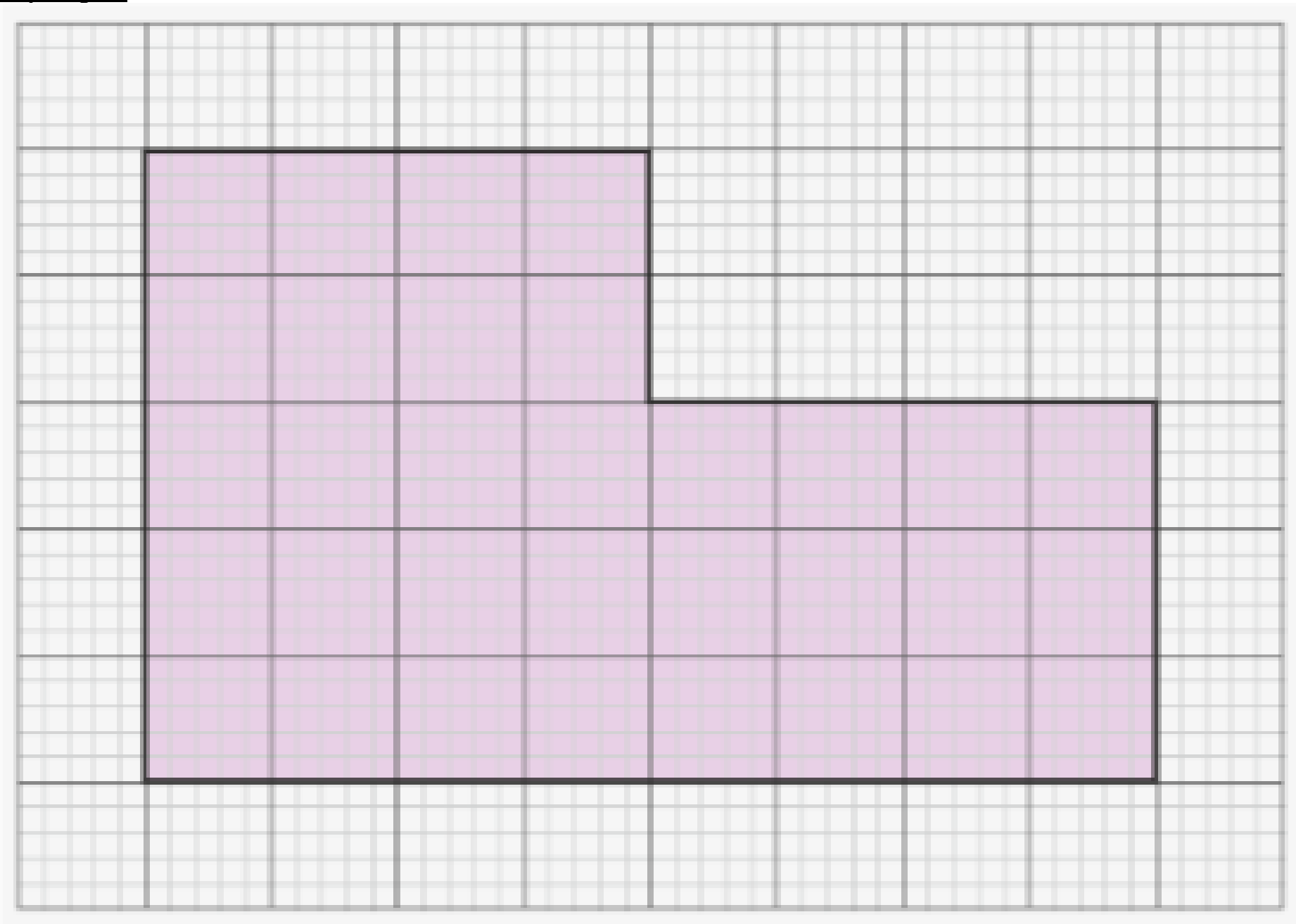
Day 3 figure



Day 4 support:

5 = V	50 = L	500 = D
6 = VI	60 = LX	600 = DC
9 = IX	90 = XC	900 = CM
10 = X	100 = C	1000 = M