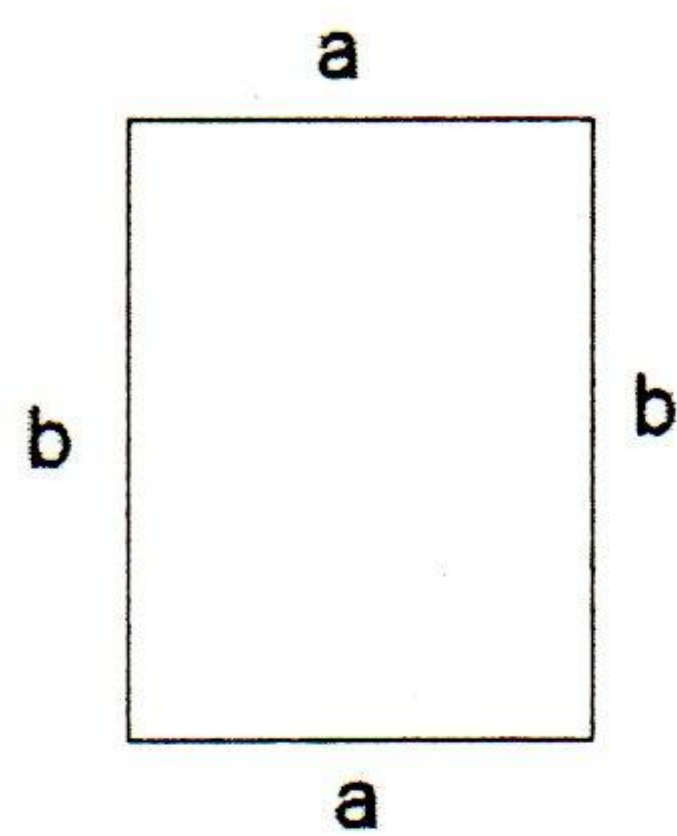


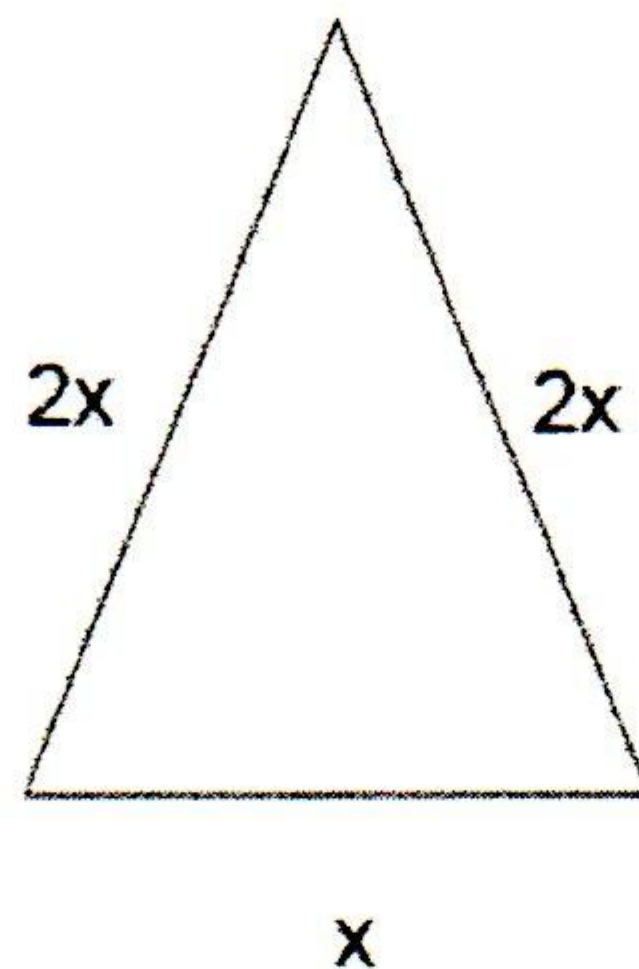
Algebraic expressions

1 Use algebra to write expressions for the perimeters of the following shapes.

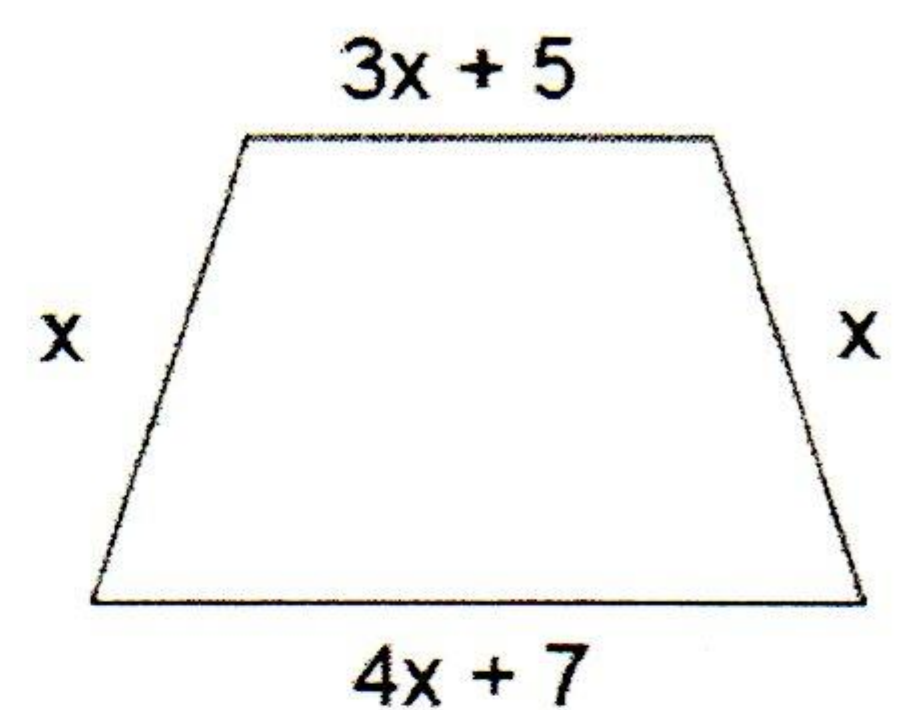
(i)



(ii)

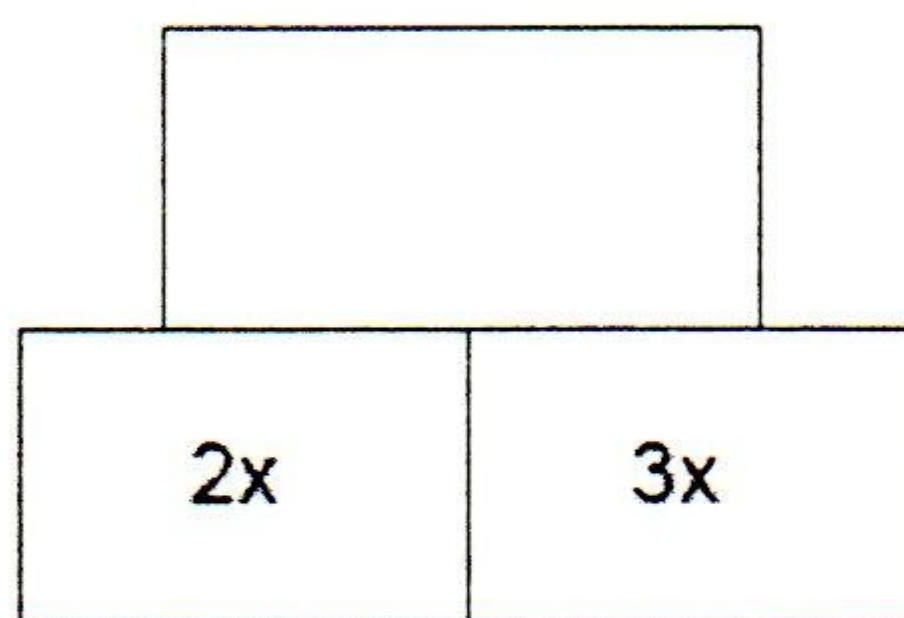


(iii)

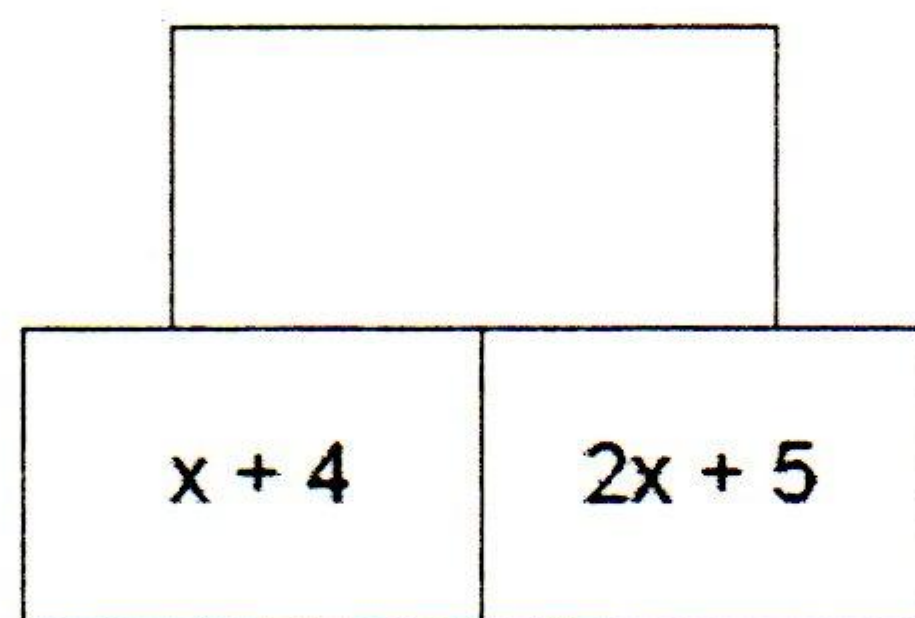


2 In the diagrams below the brick on top is made by adding the two bricks below. Find the value, in terms of algebra, of the blank bricks.

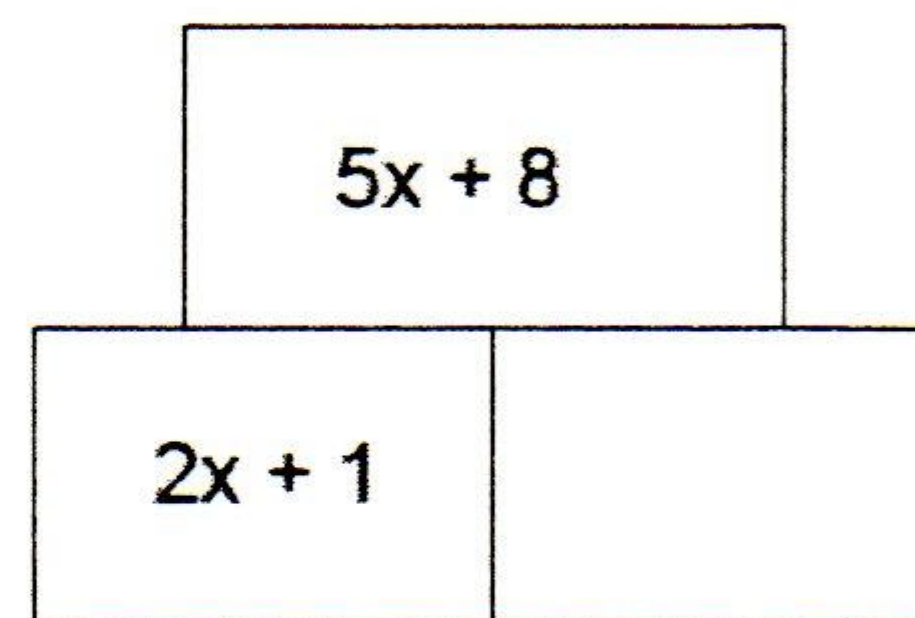
(i)



(ii)



(iii)



3 Pencils cost x pence and pens cost 5 pence more than pencils.

(i) Write in algebra the cost of 3 pencils? _____

(ii) What is the cost of a pen? _____

(iii) What is the total cost of 3 pencils and a pen? _____

4 A certain box of chocolates contains n chocolates. A shop keeper removes 4 chocolates from each box.

(i) How many chocolates are there in each box? _____

(ii) A boy buys 3 boxes of chocolates. How many chocolates does he buy altogether. Simplify your answer. _____

5 Bicycles normally cost x pounds. However in a sale they are reduced by £20.

(i) What is the sale price of a bike. _____

(ii) How much would 5 bikes cost at the reduced price. Simplify your answer. _____