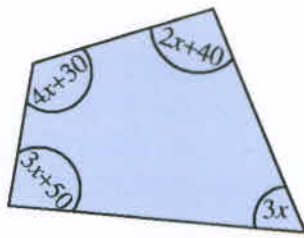


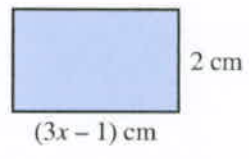
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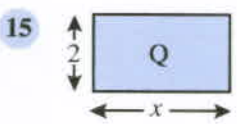
- (a) Write down an equation using the angles.
- (b) Find x .
- (c) Write down the actual value of each angle in this triangle.

- 8 The length of a rectangle is 3 times its width. If the perimeter of the rectangle is 32 cm, find its length and width.
- 9 There are 3 children in a family. Each is 3 years older than the next and the sum of their ages is 21. How old is each child (hint: let x = age of the youngest child).
- 10 A triangle has 2 angles which are each 4 times the size of the third angle. Find the size of each angle (hint: let x = the third angle).
- 11 The sum of four consecutive odd number is 216.
 - (a) If x is the smallest number, write down the other numbers in terms of x .
 - (b) Find the actual numbers.

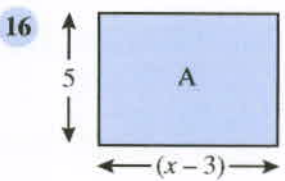
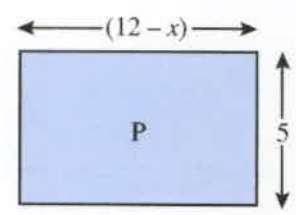
- 12 The area of this rectangle is 46 cm^2 . Find the perimeter of the rectangle.



- 13 £190 is divided between Jack and Halle so that Jack receives £72 more than Halle. How much does each person get (hint: let x = Halle's money)?
- 14 You have three consecutive *even* numbers so that the sum of twice the smallest number plus three times the middle number is four times the largest number. Find the three numbers.



The area of rectangle P is five times the area of rectangle Q. Find x .



The area of rectangle A is equal to the area of rectangle B. Find the perimeter of rectangle B.

