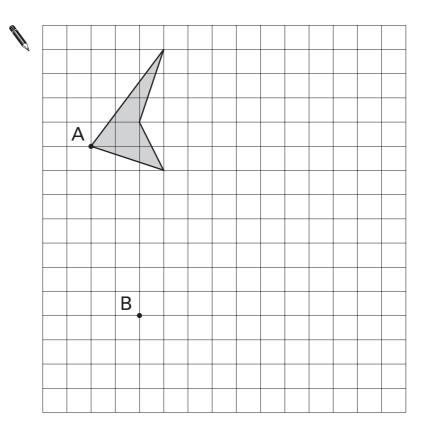
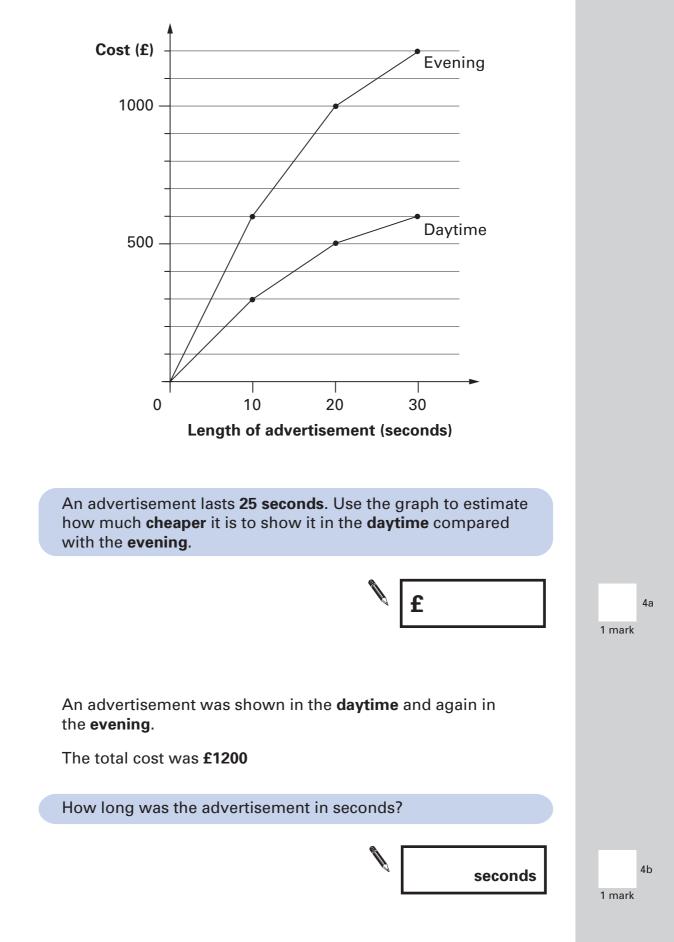
Draw the **enlarged shape** on the grid.

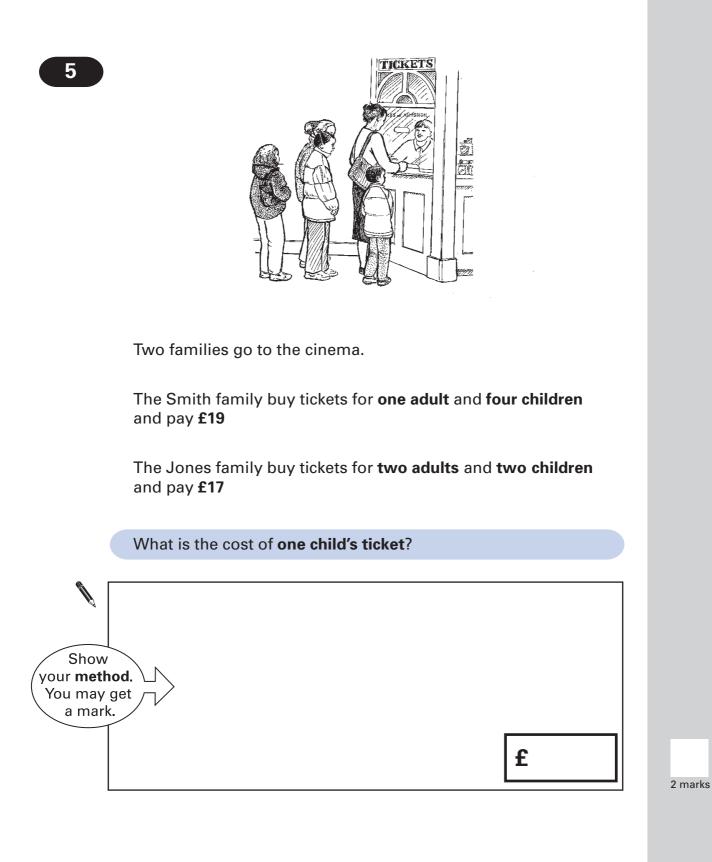
Use a ruler.



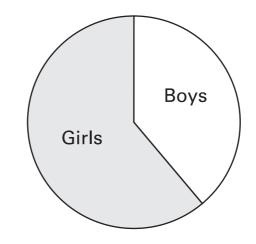
2 marks

This chart gives the cost of showing advertisements on television at different times.





|       | Number<br>in class | Size of angle<br>on pie chart |
|-------|--------------------|-------------------------------|
| Boys  | 14                 | 144°                          |
| Girls | 21                 | 216°                          |

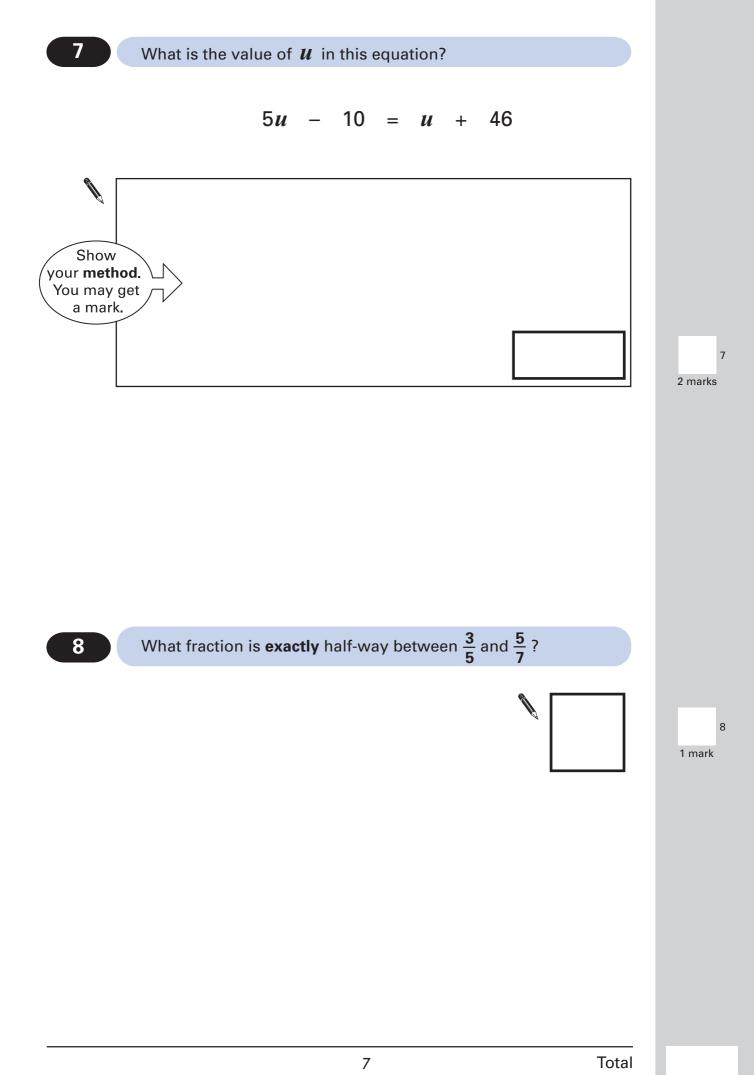


The next day another **boy** joins Sarah's class.

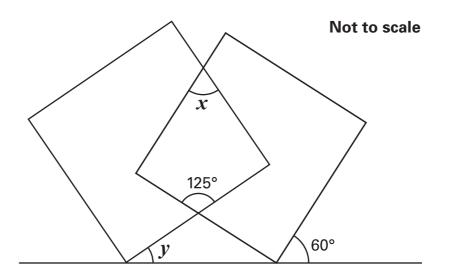
She makes a new pie chart.

Calculate the angle for **boys** on the new pie chart.



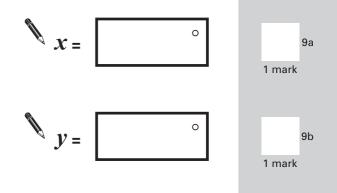


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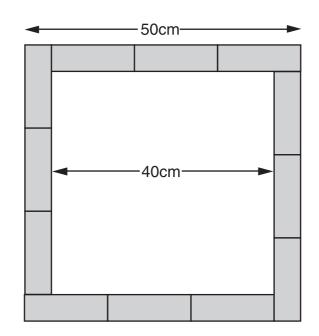


Calculate the value of **angle** *x* and the value of **angle** *y*.

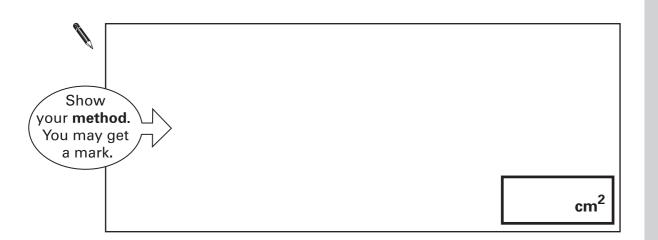
Do **not** use a protractor (angle measurer).



**Twelve rectangles**, all the same size, are arranged to make a **square**, as shown in the diagram.



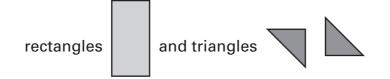
Calculate the **area** of **one** of the rectangles.



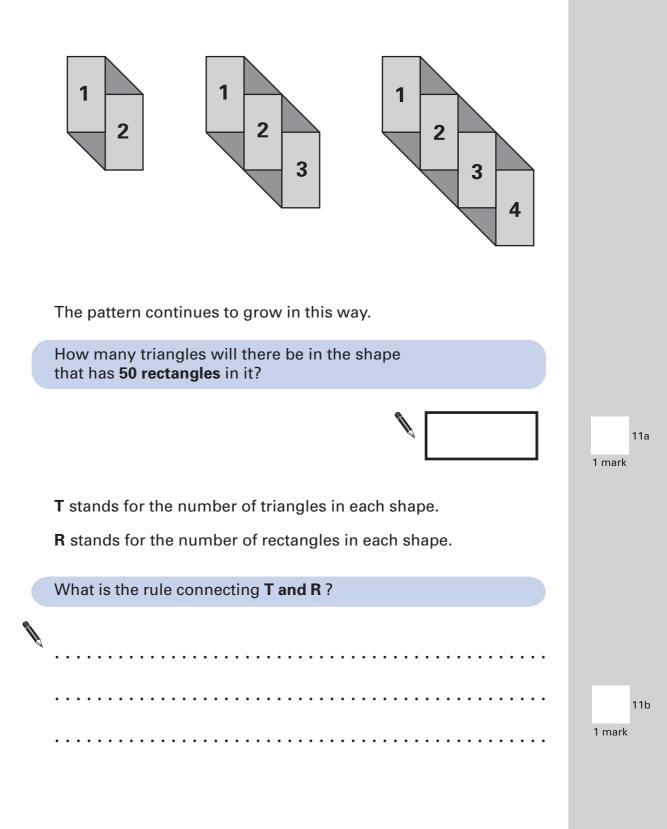
10 2 marks

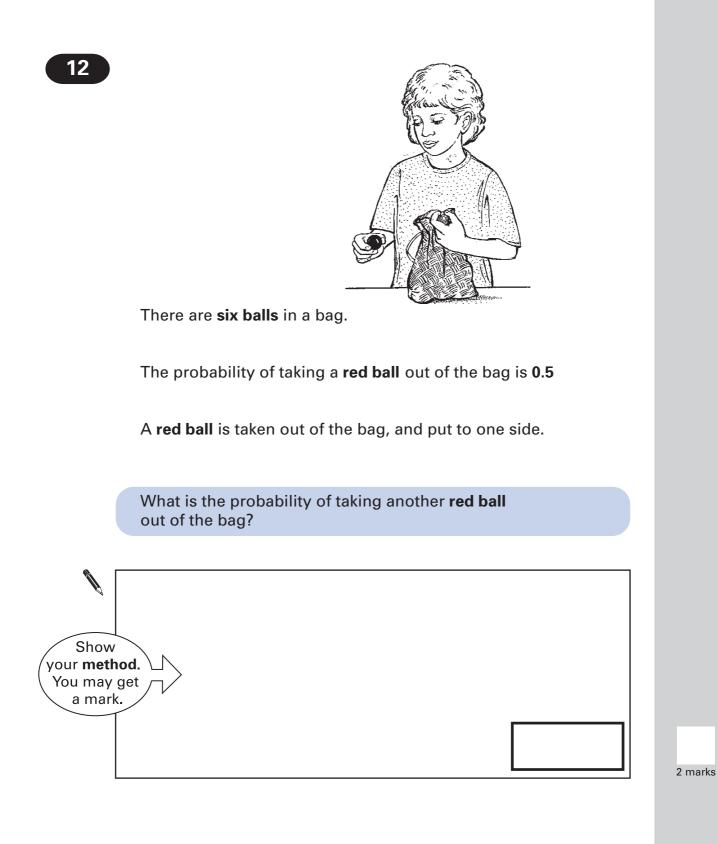
## Here is the start of a sequence of shapes using

11



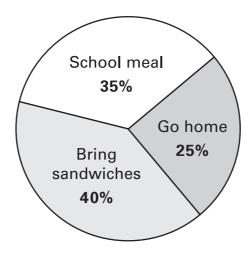
Each rectangle has been numbered.



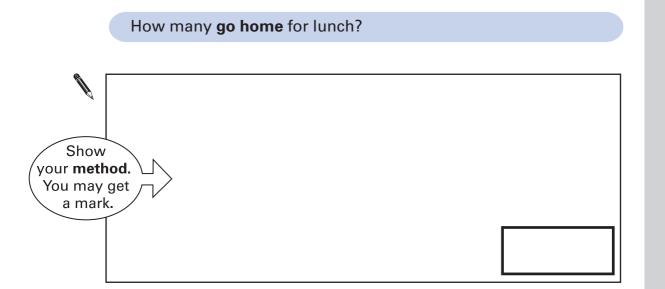




This pie chart shows the lunch choices of year 6 children at a school.



28 children in year 6 have a school meal.



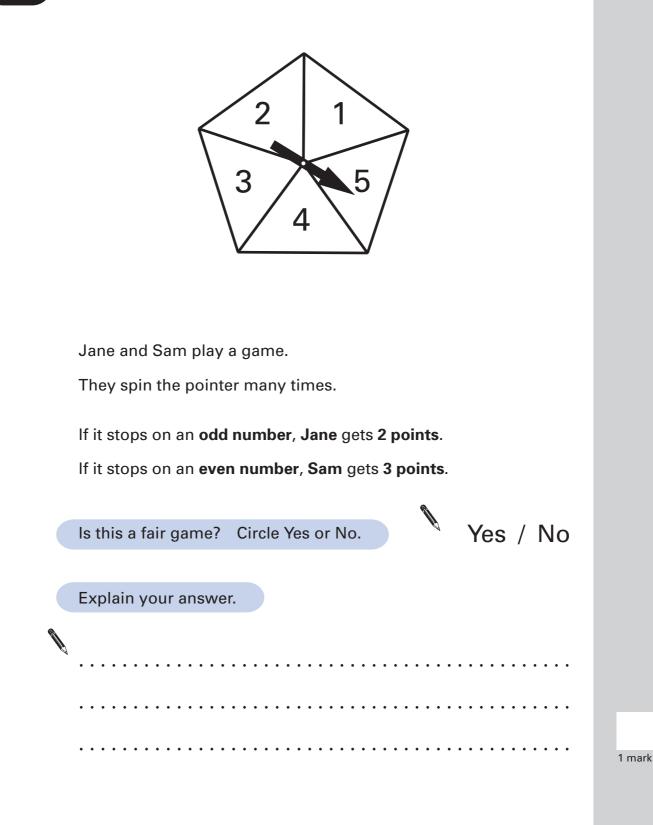
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13

13

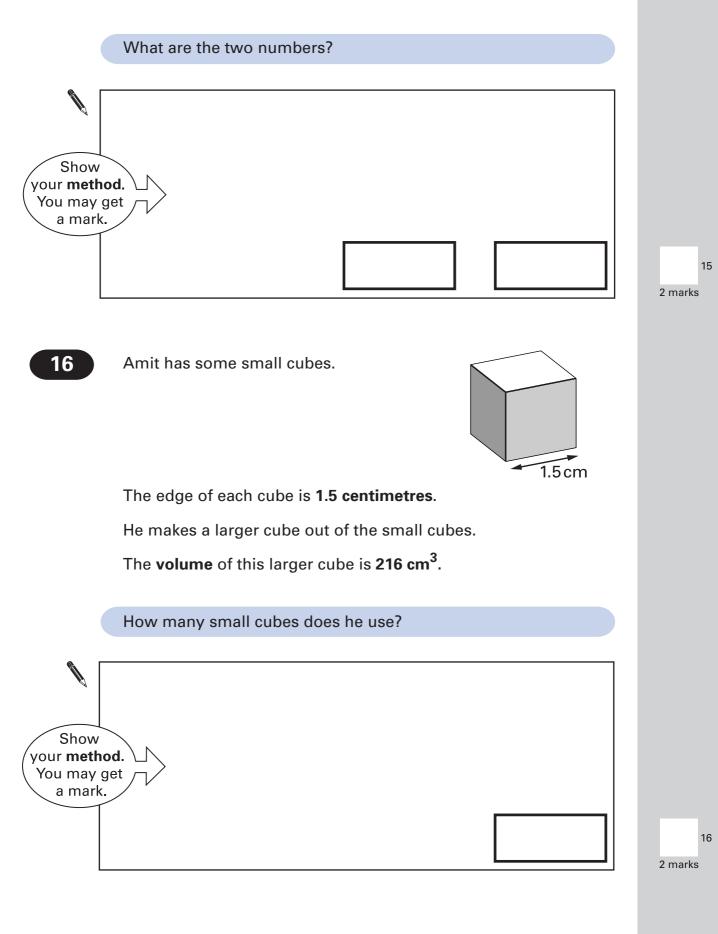
2 marks

14



## The **product** of two numbers is **999**

The difference between them is 10



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