Summer Assessment



Mathematics

Foundation: No calculator allowed

Time allowed: 45 minutes

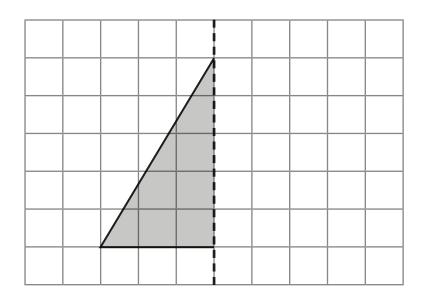
First name					
Middle name					
Last name					
Date of birth	Day	Month		Year	
Teacher		~	-	^	

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The diagram shows part of a shape and its line of symmetry.

Complete the shape.



In a shop, for every 2 apples there are 3 bananas.



There are 10 apples in the shop.

How many bananas are there in the shop?

2 marks

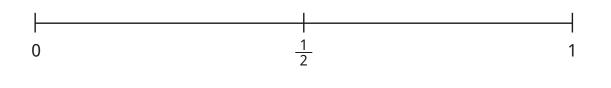
2

There are 8 pens in a box.

- 3 pens are blue.
- 4 pens are black.
- 1 pen is red.

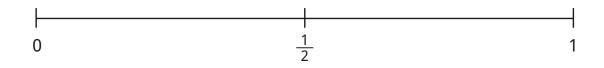
Dexter takes a pen from the box at random.

On the probability scale, mark with a cross (×) the probability that Dexter takes a black pen.



1 mark

On the probability scale, mark with a cross (×) the probability that Dexter takes a green pen.



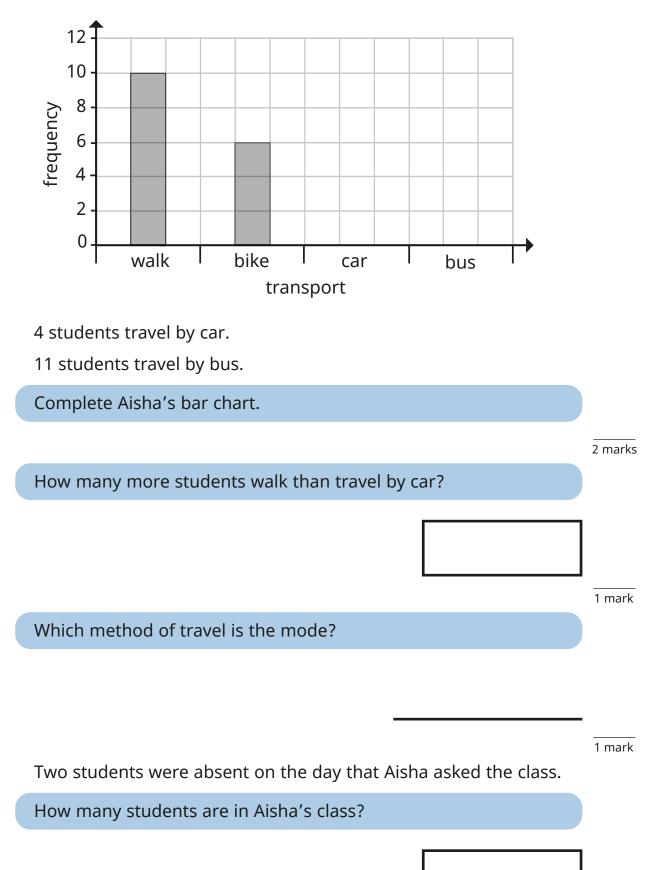
1 mark

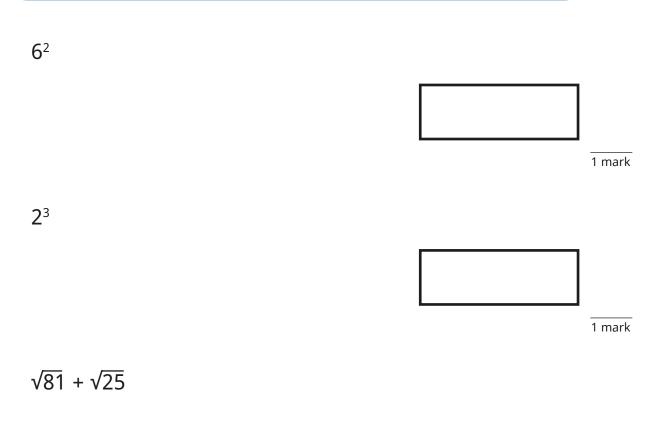
On the probability scale, mark with a cross (×) the probability that Dexter takes a blue, black or red pen.



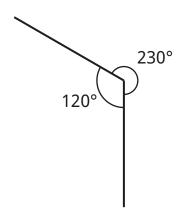
1 mark

Aisha asked students in her class how they travel to school. The bar chart shows some of her results.







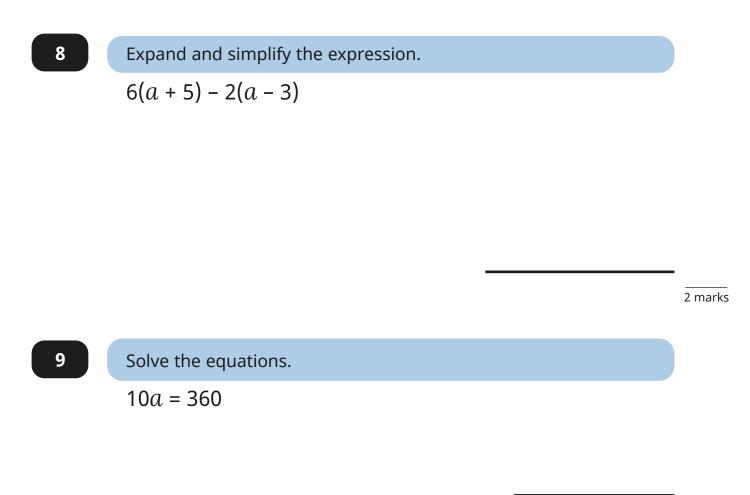


Explain why Filip must be wrong.

7 Jack and Annie share £150 in the ratio 4 : 1

How much money do they each get?







1 mark

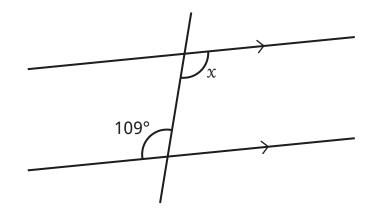
1 mark

 $b + \frac{3}{5} = 1$

Boys	5	3	10	2	7	3
Girls	2	5	9	8		

Show that the girls have a higher mean test mark than the boys.

The table shows a pair of parallel lines.



Write the size of the angle marked *x*.



1 mark

Give a reason for your answer.

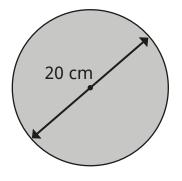
1 mark

Complete the table.

Fraction	Decimal	Percentage
<u>4</u> 10	0.4	
	0.51	51%
<u>3</u> 100		

Work out the area of the circle.

State the units with your answer.

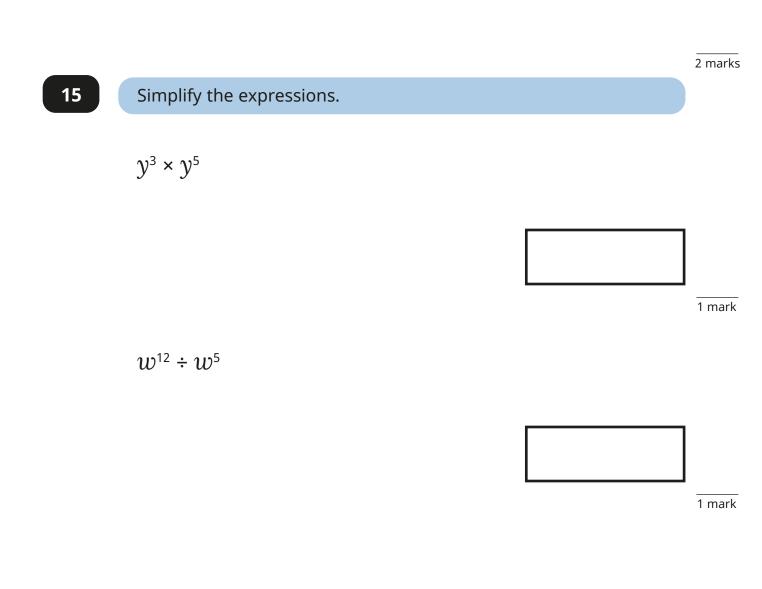




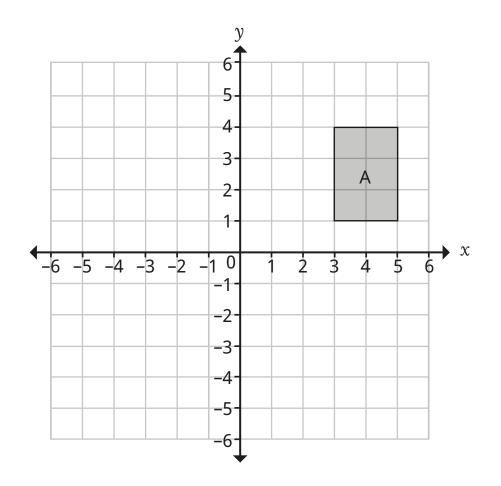
Use <, > or = to make the statement correct.

Show working to support your choice.

$$\frac{1}{3} + \frac{1}{4}$$
 $\frac{1}{3} \times \frac{1}{4}$



Reflect rectangle A in the line x = 1



2 marks

END OF TEST

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