

# Self assessment for Pre- GCSE classes

1. The entry fee for a race is £8.  
A French runner enters.  
The rate of exchange is £1 = 1.65 Euros.  
How much is the entry fee in Euros?
2. A cook makes scones for a refreshment stall at a fair.  
These are the ingredients from the recipe **that makes 8 scones.**

225g self-raising flour  
150 ml milk  
50g butter  
5ml baking powder  
1 pinch of salt

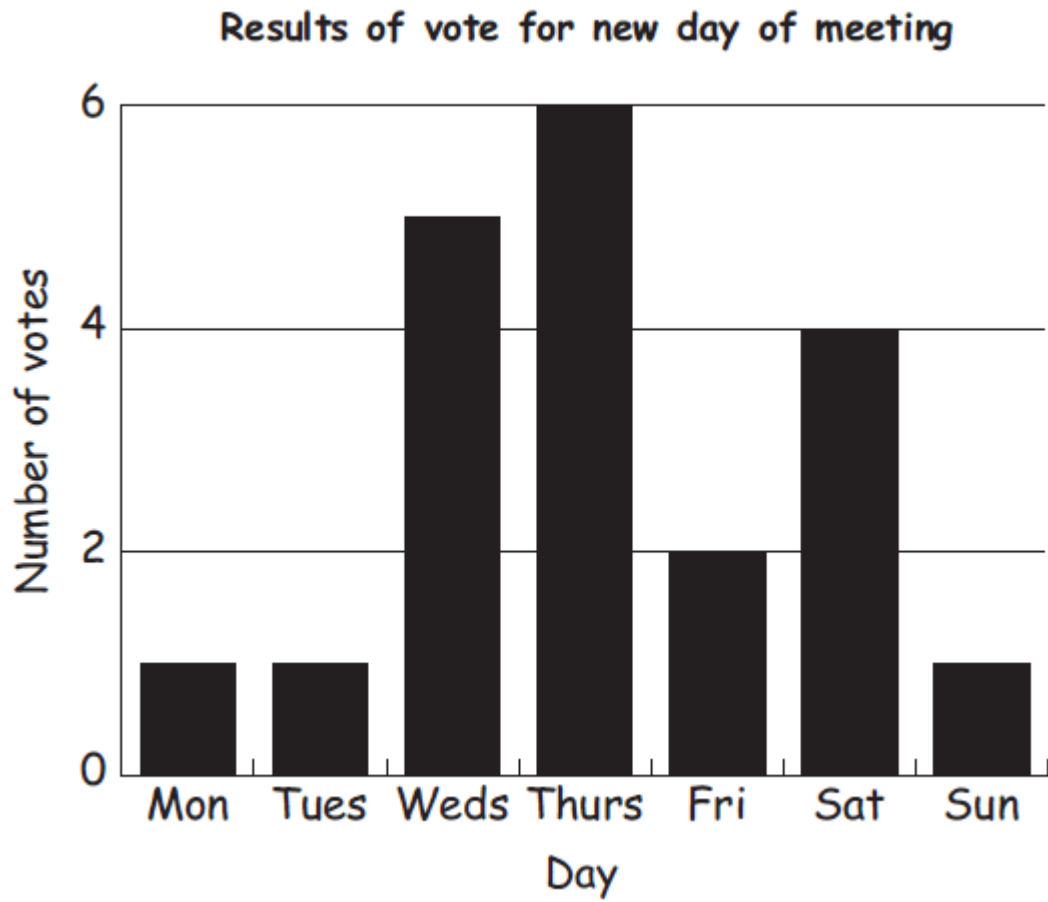
She buys ingredients for 72 scones.  
How many 250g packs of butter does she need to buy to ensure she has enough?

3. On the prize draw stall at the fair, raffle tickets are sold with the numbers between 1 and 99. There is a prize for every number ending in a zero or a five.  
How many prizes are there in total?
4. A club increases its membership fee from £12 to £15 per year.  
What is the percentage increase?
5. This table shows the number of tickets and programmes sold for a garden show.

Number of show tickets and programmes sold			
	Friday	Saturday	Total
Tickets	160	206	366
Programmes	86	70	156

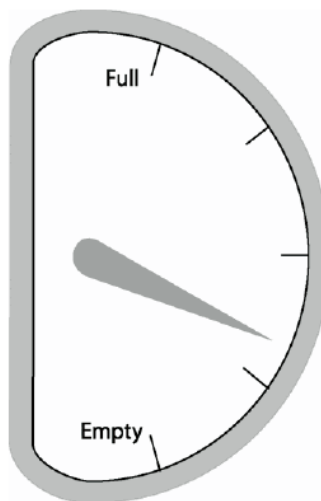
Tickets for the show cost £3 each and programmes cost £1.50 each.  
How much is paid for the tickets & programmes for Saturday's show?

6. A club wants to change the day of its monthly meeting and has a vote. The bar chart shows the results of the vote.



What percentage of voters chose Thursday?

7. The reserve tank on a lorry holds 12 gallons of petrol. This diagram shows the reading on the gauge for the reserve tank. How much fuel is **left**, to the nearest gallon?



8. This table gives the temperatures on January 1<sup>st</sup> in four cities:

	Belfast	Edinburgh	London	Cardiff
Temperature at midnight ( $^{\circ}\text{C}$ )	2.3	-1.7	3.5	1.6
Temperature at 6am ( $^{\circ}\text{C}$ )	-0.8	-4.2	0.9	-1.4

In which city was the temperature fall greatest between midnight and 6am?  
And how many degrees did the temperature fall?

9. In the long jump at a sports event, the distance each competitor jumps is measured to decide who wins.  
The diagram shows part of the tape measure.  
The arrow shows how far the winner jumped.



Work out the length of the jump.

10. A fishing rod consists of three sections.  
The length of the rod in section 1 is 1334 millimetres.  
Section 2 is 150 millimetres longer than section 1.  
Section 3 is 200 millimetres longer than section 2.



What is the total length of the fishing rod?

11. This table shows the results of a survey of the number of children and the number of television sets in the households on an estate.

		Number of Children in Household				
		0	1	2	3	4
Number of TV sets in the Household	0	1	0	0	0	1
	1	8	7	15	11	8
	2	6	5	10	3	8
	3	1	2	5	1	1

How many households had three children and at least two television sets?

12. Using the same table as Question 11;  
How many households in the survey had at least 3 children?

13. A television set costs £320. The price is reduced by 20% in a sale.  
What is the sale price of the television?

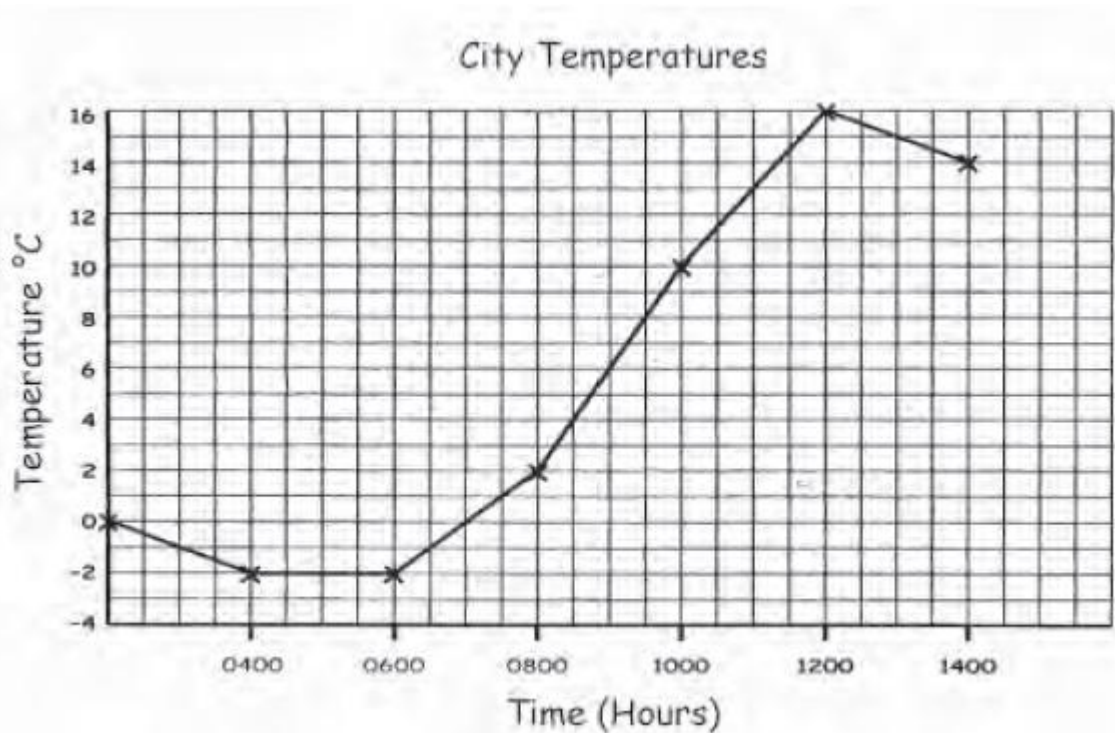
14. Material for dressmaking is sold by the metre.  
The cost of 5 metres of material is £17.50.  
How much does 8 metres of the same material cost?

15. A salesman records the registration letter of the cars for sale at his garage. This table shows his results.

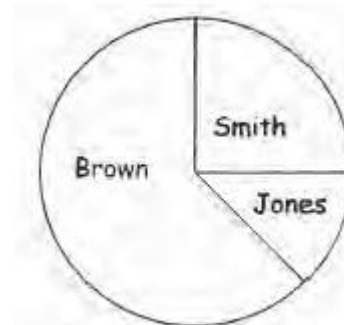
Registration letter	R	S	T	V	W	X
Number of cars	10	26	21	13	24	26

What (simple) fraction of the cars are either **W** or **X** registration?

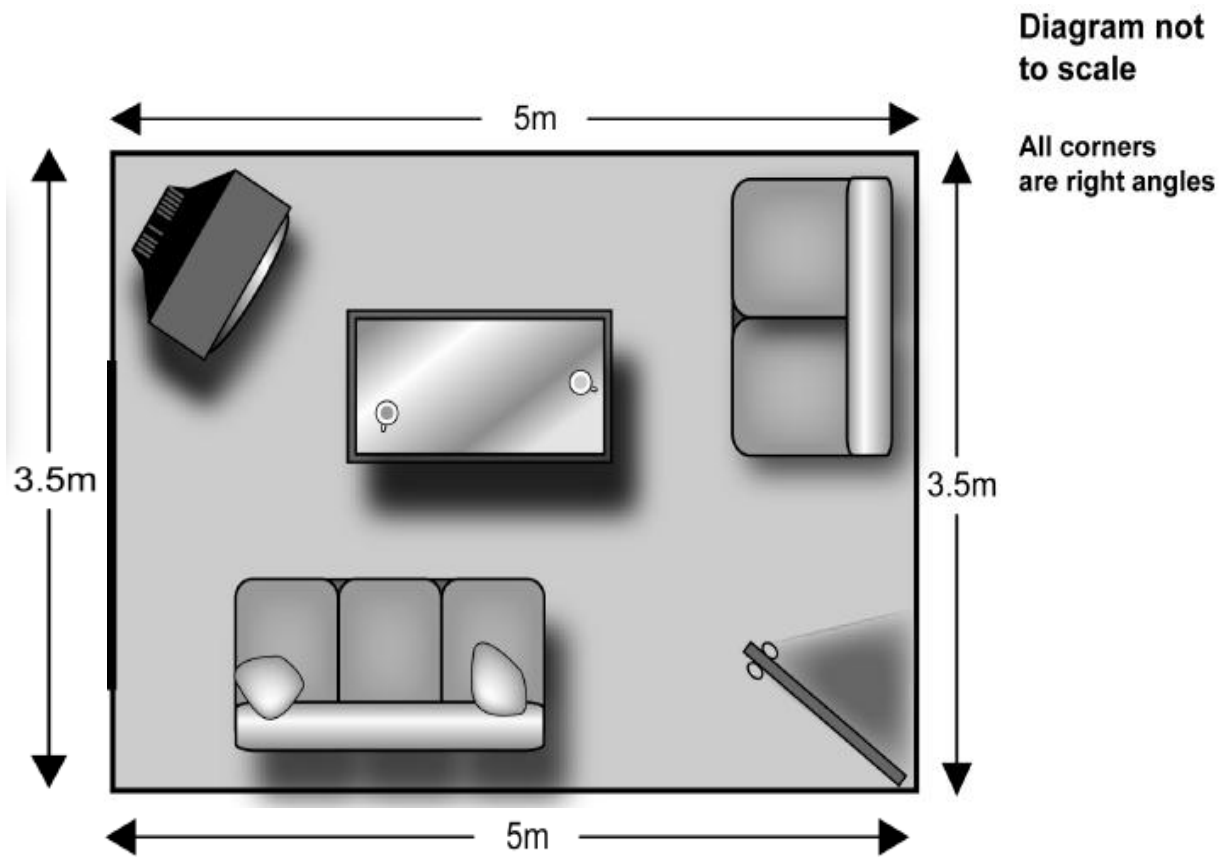
16. This graph shows the temperatures in a city on one day.  
What is the best estimate of the temperature at 8:30am?



17. This pie chart shows the votes for three people in a local election.  
In total 280 people voted.  
How many voted for Smith?



18. Telephone call costs are calculated by the second.  
A one minute telephone call costs 10p  
What is the cost of a 100-second call to the nearest penny?
19. A packet of fish fingers normally sells for £1.50. There is a 'buy one get one free' offer on them. A customer buys as many as possible with a £5 note.  
How many packets would he get?
20. A cleaning firm charges for cleaning by area.  
A householder calculates the area of this rectangular lounge.  
The charge is £2 per square metre.



What is the total charge for cleaning the whole area?