

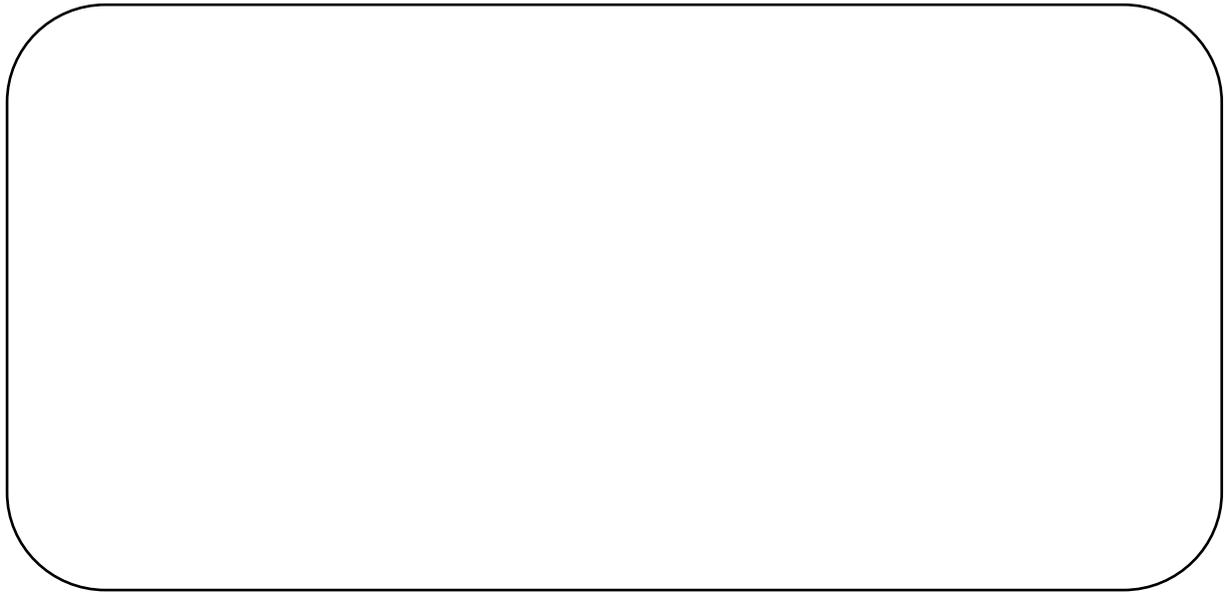
## Functional Skills Maths | Level 1 | British Values Democracy

1. A course at college has a student council.

A name is drawn at random from a box to decide who chairs the council.

There are 20 names in the box (16 from Class A and 4 from Class B).

What is the probability of drawing a name from class B?



2. Saira is counting votes for the student council. In total 240 people voted.

One third of these people voted for Candidate A.

The rest of these people voted for Candidate B.

**How many people voted for Candidate B?**



3. Polly is designing a placard for a protest march.

The placard needs to

- be in the shape of a kite
- have 1 line of symmetry
- be 120 cm wide
- be 80 cm tall.

**Draw a suitable placard on the grid.**



**Key** 1 square length on the grid represents 10 cm on the board

4. Atif works as a local councillor.

He has the following in his diary for Tuesday.

Meet local residents 1.5 hours  
Chair committee meeting  $\frac{3}{4}$  hour  
Telephone call with mayor 20 minutes

Atif will start the first task on the list at 9 am.

He will have a break of half an hour after the first two jobs.

Atif thinks he will finish the last job before 1 pm.

**Will Atif finish the last job before 1 pm?**

5. Alex is counting votes in a local election.

He counts 164 votes in total.

The votes are for Candidate A and Candidate B in the ratio 3 : 1

**Work out the number of votes Candidate A received**

6. Magda works for a political party.

She has this information about the people who attended a recent conference.

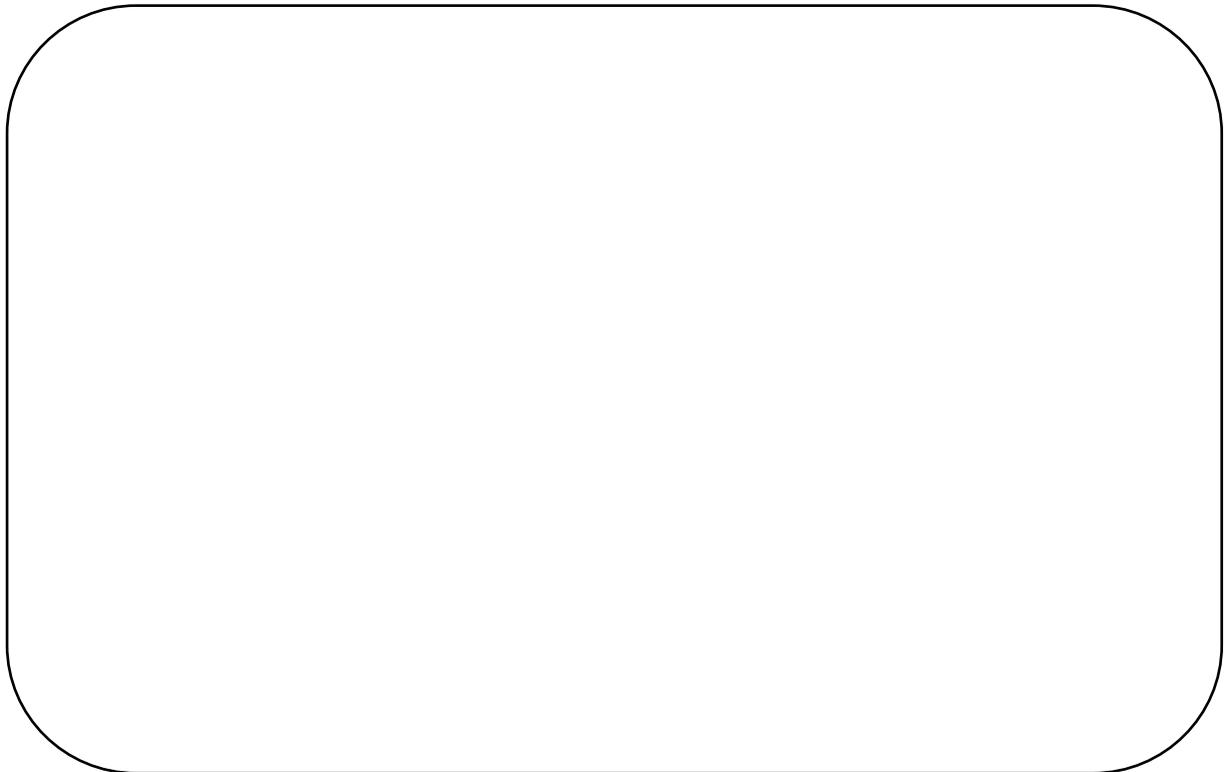
<b>age (years)</b>	<b>men</b>	<b>women</b>
<b>18 to 35</b>	142	86
<b>36 or older</b>	175	27

Magda says,

‘About a quarter of the people were women aged between 18 and 35’

**Is Magda correct?**

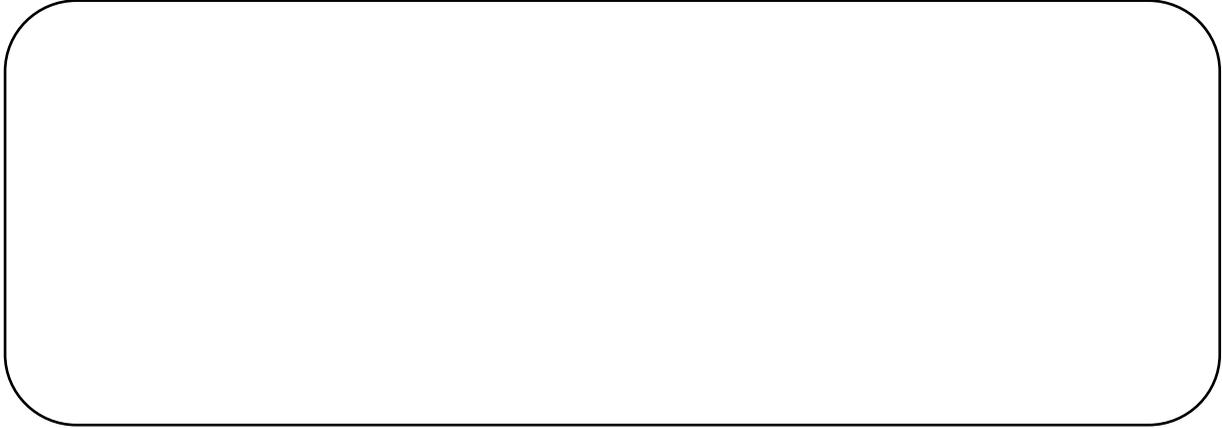
**Show why you think this.**



7. At the last election the winning local candidate won twenty-seven thousand, five hundred and fifty-five votes.

The other candidates won a combined 18,982 votes.

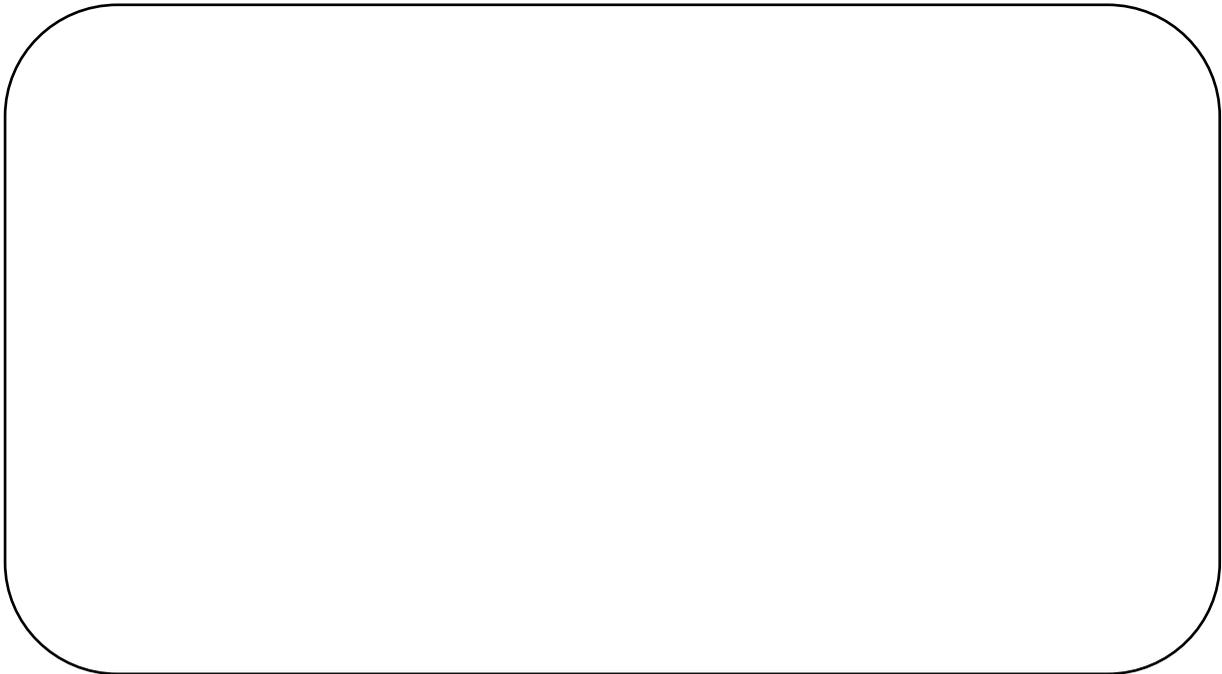
**How many votes were cast in total?**



8. In the last Parliamentary election in your local constituency the winning candidate won 15,395 votes.

In total there were 39,800 votes cast.

**Using estimation, work out the percentage of the vote the winning candidate received.**

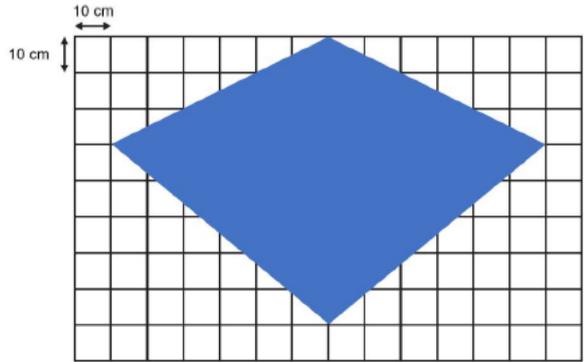


**Answers**

1.  $\frac{1}{5}$

2. 160

3. for example



4. Yes 12.05pm

5. 123

6. No  $\frac{1}{5}$

7. 46,537

8. 37.5%