

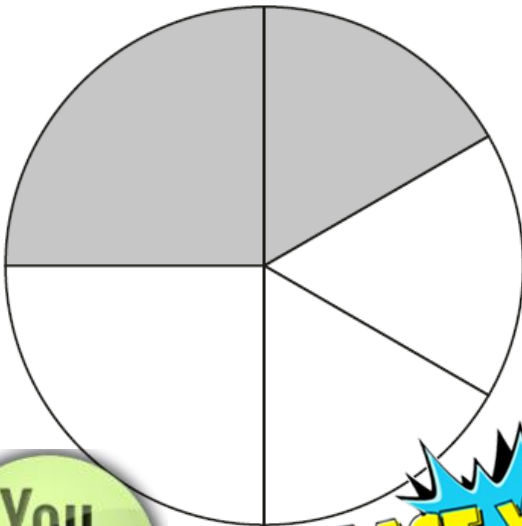


## PIE CHARTS

Help Code : 017

23

In this circle,  $\frac{1}{4}$  and  $\frac{1}{6}$  are shaded.



**LAST YEARS**  
questions

What fraction of the whole circle is **not** shaded?

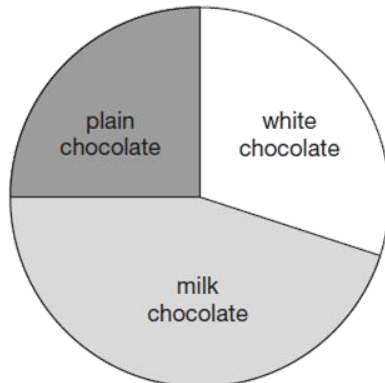
Show your method

$\frac{7}{12}$  or  $\frac{14}{24}$

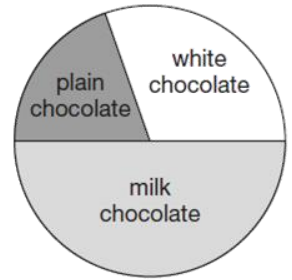
18

100 girls and 50 boys were asked which kind of chocolate they like best.

These two pie charts show the results.



100 girls



50 boys

Dev says,

*"The pie charts show that more girls than boys liked milk chocolate best."*

Dev is correct.

Explain how you know.

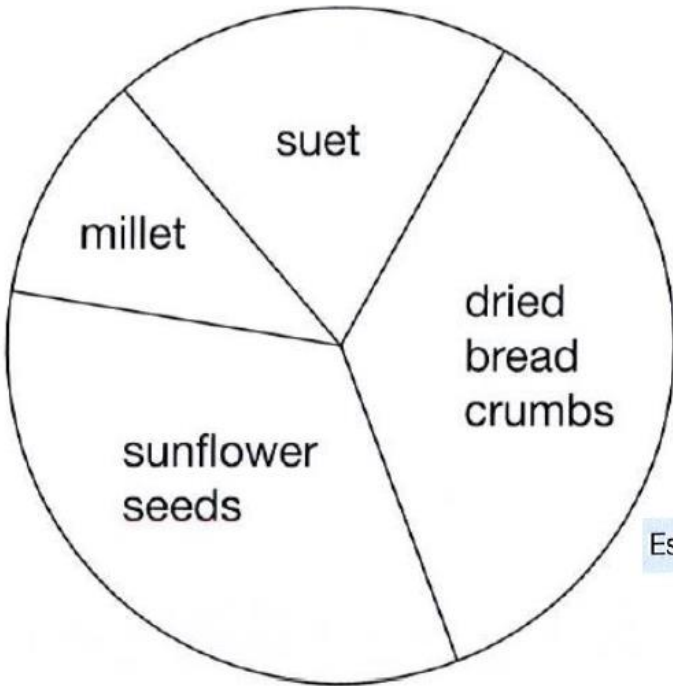
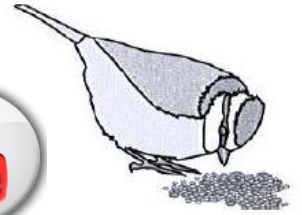


Discuss what half of 50 boys is and what just under half of 100 girls is...



2012A KS2 Q22

This pie chart shows the ingredients to make a food mixture for wild birds.



Estimate the **percentage** of mixture that is suet.

%

Mina uses 100 grams of millet in the mixture.

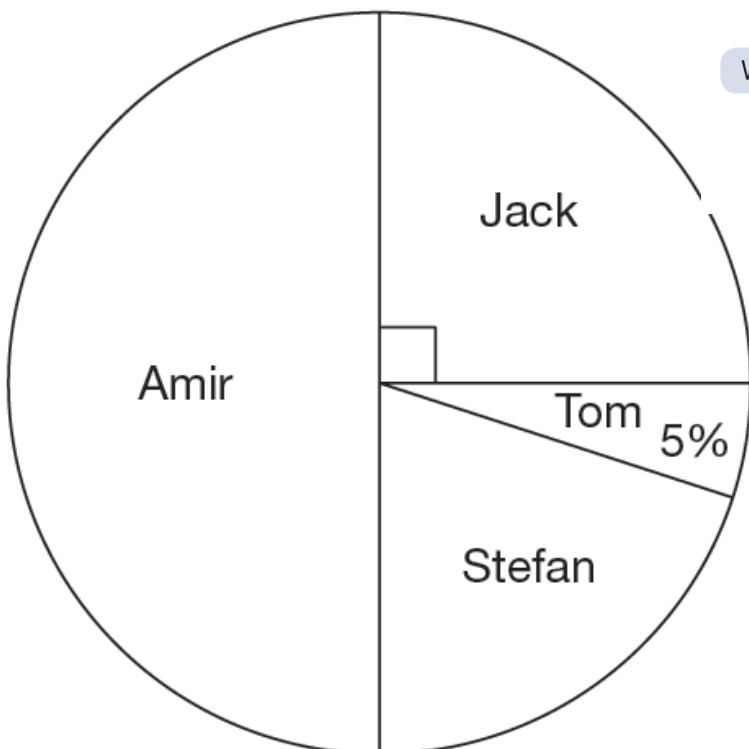
Estimate how many grams of sunflower seeds she should use.

g

2009A KS2 Q21

40 children predicted who would win the boys' race at sports day.

This pie chart shows their predictions.



What percentage of the children predicted that Stefan would win?

%

10 children predicted the winner of the race **correctly**.

Who won the race?

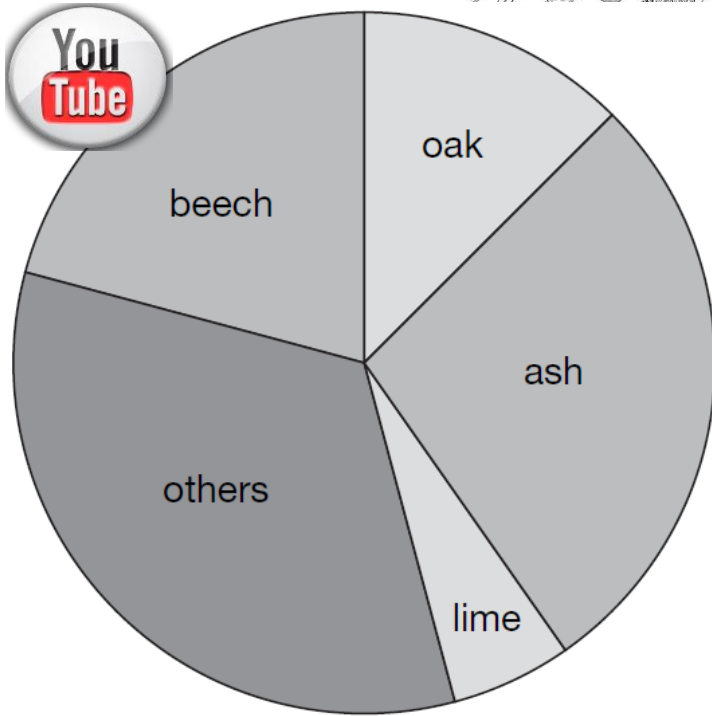
Explain how you know.

Explain the fraction that 10/40 simplifies to and how you can tell who has this fraction on the pie chart



2006A KS2 Q20

Class 6 did a survey of the number of trees in a country park.  
This pie chart shows their results.



Estimate the **fraction** of trees in the survey that are **oak** trees.

$\frac{1}{8}$

The children counted 60 **ash** trees.

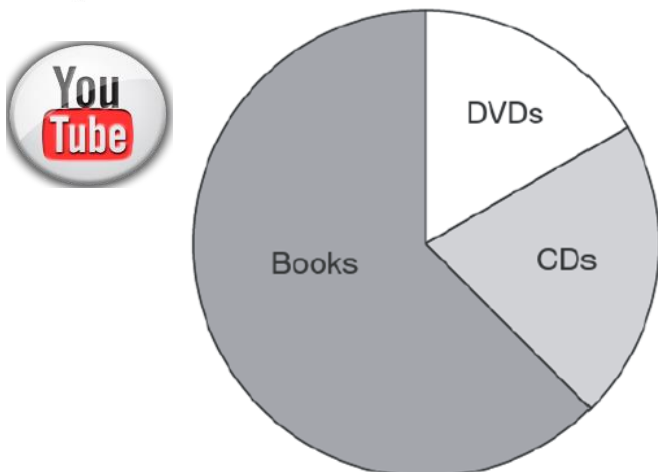
Use the pie chart to estimate the **number** of **beech** trees they counted.

40

2010A KS2 Q22

A shop sells books, CDs and DVDs.

A shop sells books, CDs and DVDs.  
This pie chart shows the sales of each in one week.



Estimate the **fraction** of the total sales that were DVDs.

$\frac{1}{5}$

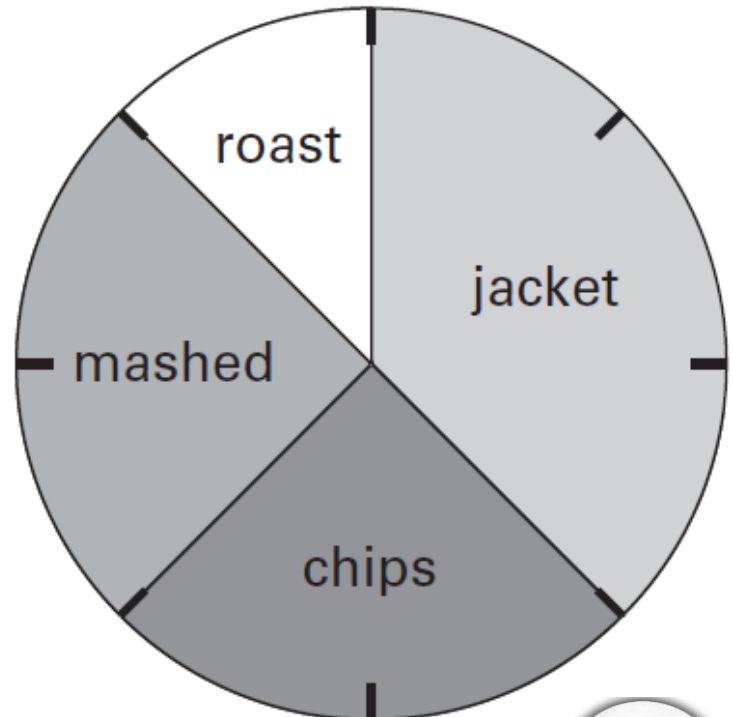
In this week, 200 **CDs** were sold.

Estimate how many books were sold.

600

2005A KS2 Q18

This pie chart shows how the children in Class 6 best like their potatoes cooked.



32 children took part in the survey.

Look at the four statements below.

For each statement put a tick (✓) if it is **correct**.  
Put a cross (✗) if it is **not correct**.

10 children like chips best.

✗

25% of the children like mashed potatoes best.

✓

$\frac{1}{5}$  of the children like roast potatoes best.

✗

12 children like jacket potatoes best.

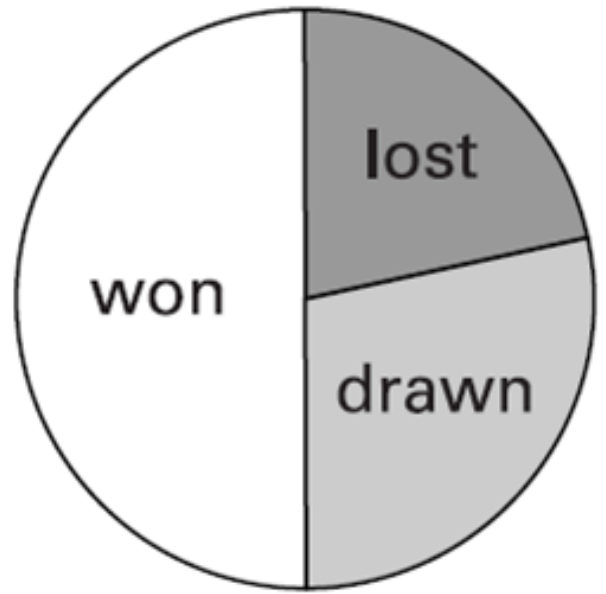
✓

2003A KS2 Q21

The pie charts show the results of a school's netball and football matches.



Netball



Football

The netball team played **30** games.  
 The football team played **24** games.

David says,

Estimate the percentage of games that the netball team lost.

'The two teams won the same number of games.'

Is he correct?  
Circle Yes or No.

Yes  No

30-37 %

Explain how half of 30 is different from half of 24

2000A KS2 Q17

Tony and Gemma looked for snails, worms, slugs and beetles in their gardens.

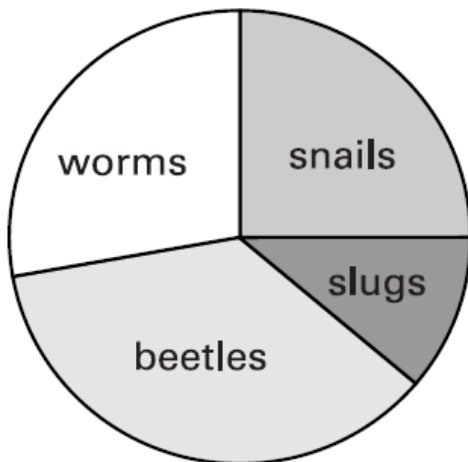


Tony's pie chart

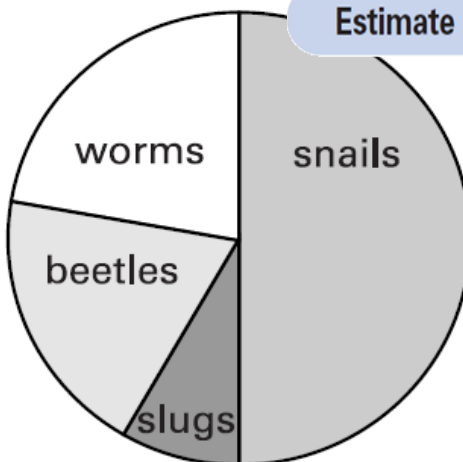
They each made a pie chart of what they found.



Gemma's pie chart



Total 80



Total 36

Estimate the number of worms that Tony found.

21-23

Who found more snails?  
Circle Tony or Gemma.

Explain how you know.

Explain the difference between half of 36 and quarter of 80