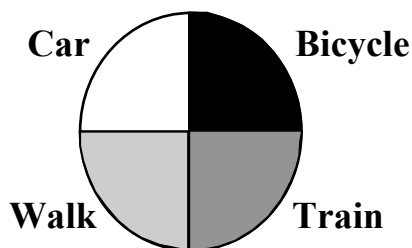


When I see **27%**, I know that means **0.27** or  $\frac{27}{100}$



1. Do you know what these percentages mean? Write them as a decimal and as a fraction.  
a) 87%    b) 36%    c) 40%    d) 12%    e) 5%    f) 99%
2. What is **33%** as a fraction approximately?
3. What is **66%** as a fraction approximately?
4. Which of these percentages is equal to **0.76** ?  
a) 0.76%    b) 7.6%    c) 76%    d) 760%
5. Which of these percentages is the same as **0.08** ?  
a) 0.08%    b) 0.8%    c) 8%    d) 80%
6. This pie chart shows how children came to school:

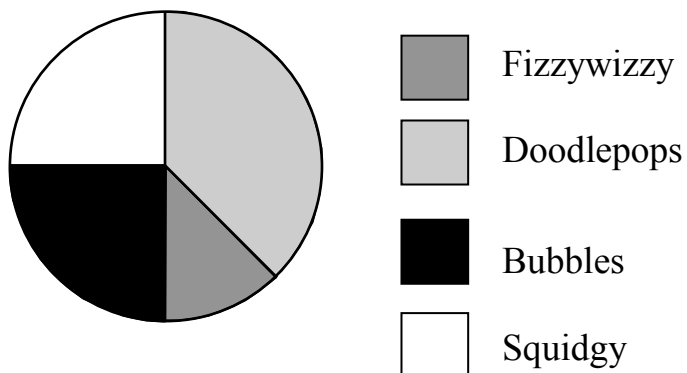


What percentage came by car?

Maths Rats love pies of all kinds - apple pies, raspberry pies, mathematical pies. Pie charts are **my** favourite.

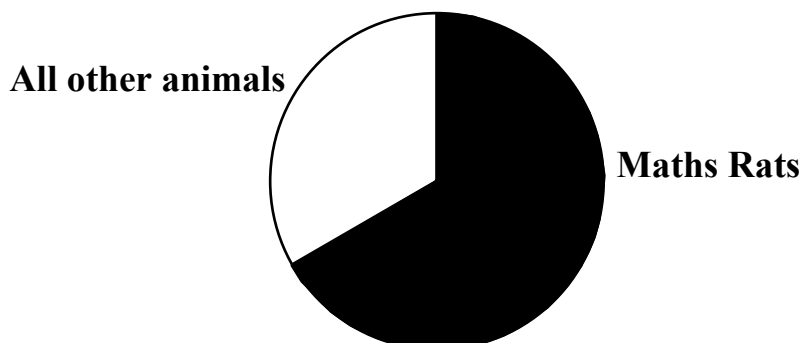


1. This pie chart shows what drinks children liked:



- What percentage does the pie chart represent altogether?
- What percentage liked Squidgy?
- What percentage liked Bubbles?
- What percentage liked Fizzywizzy?
- What percentage liked Doodlepops?
- If 200 children are represented on the pie chart, how many children liked Squidgy?
- How many children liked Fizzywizzy?

1. This pie chart shows how people voted for their favourite animals:



- What percentage did **not** vote for Maths Rats?
  - What percentage **did** vote for Maths Rats?
- 

2. Find **25%** of **60**.

Hint: Remember **25%** is the same as  $\frac{1}{4}$ .  
Now find **one quarter** of **60**.



- Find **60%** of **£200**
- Find **75%** of **300** metres.
- Find **20%** of **10** Kg.
- Find **30%** of **5** metres.
- Find **5%** of **150** Km
- Find **33%** of **120** (Remember that 33% is approximately one third.)

Answers**Page 1**

1. a) 0.87  $\frac{87}{100}$  b) 0.36  $\frac{36}{100}$  c) 0.40  $\frac{40}{100}$  d) 0.12  $\frac{12}{100}$   
e) 0.05  $\frac{5}{100}$  f) 0.99  $\frac{99}{100}$
2. Approximately  $\frac{1}{3}$ .
3. Approximately  $\frac{2}{3}$ .
4. 76%      5. 8%      6. 25%

**Page 2**

1. a) 100%    b) 25%    c) 25%    d) Approx. 12.5%    e) 37.5%  
f) 50        g) 25

**Page 3**

1. a) Approx. 33%                    b) Approx. 66%
2. 15    3. £120    4. 225 metres    5. 2 Kg    6. 150 cm
7. 7.5 Km    8. 40