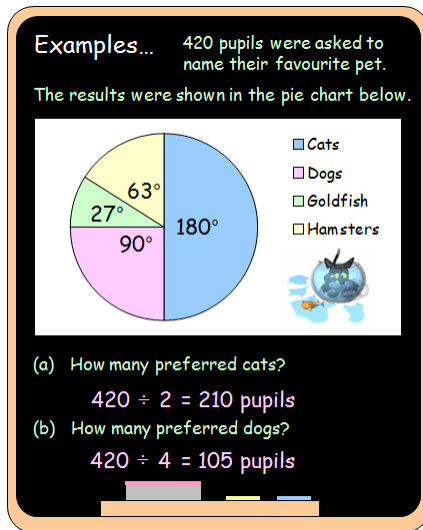
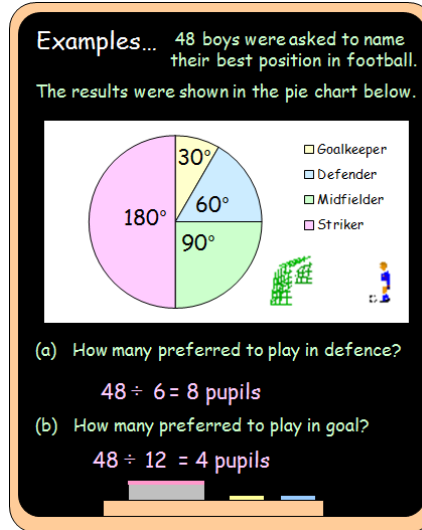


# Outcome 2 - Calculations from Pie Charts

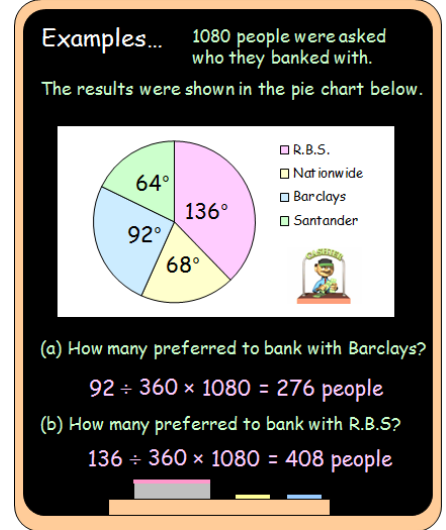
## Bronze examples



## Silver examples

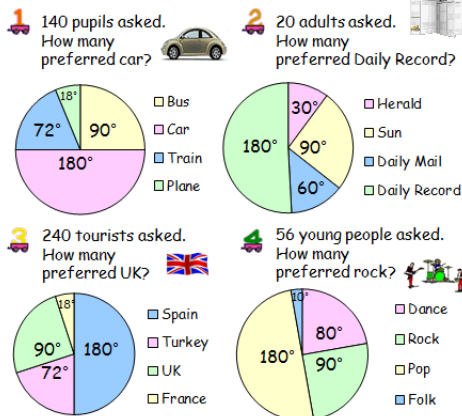


## Gold examples



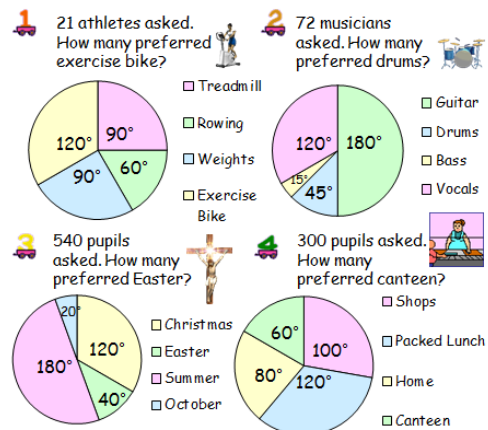
## Bronze Questions

For each pie chart, calculate the following...



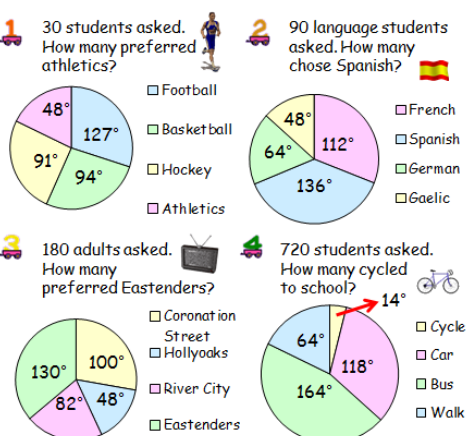
## Silver Questions

For each pie chart, calculate the following...



## Gold Questions

For each pie chart, calculate the following...



Common Fractions in Pie Charts:

$$\frac{180^\circ}{360^\circ} = \frac{1}{2} \quad \frac{90^\circ}{360^\circ} = \frac{1}{4}$$



More Fractions in Pie Charts:

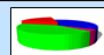
$$\frac{60^\circ}{360^\circ} = \frac{1}{6} \quad \frac{30^\circ}{360^\circ} = \frac{1}{12}$$

$$\frac{120^\circ}{360^\circ} = \frac{1}{3} \quad \frac{40^\circ}{360^\circ} = \frac{1}{9} \quad \frac{45^\circ}{360^\circ} = \frac{1}{8}$$

How to calculate fractions in Pie Charts using a calculator:



$$\text{angle} \div 360 \times \text{amount}$$



### Bronze Answers

- |                |                    |
|----------------|--------------------|
| 1. 70 pupils   | 2. 10 adults       |
| 3. 60 tourists | 4. 14 young people |

### Silver Answers

- |               |                |
|---------------|----------------|
| 1. 7 athletes | 2. 9 musicians |
| 3. 60 pupils  | 4. 50 pupils   |

### Gold Answers

- |               |                         |
|---------------|-------------------------|
| 1. 4 students | 2. 34 language students |
| 3. 65 adults  | 4. 28 students          |