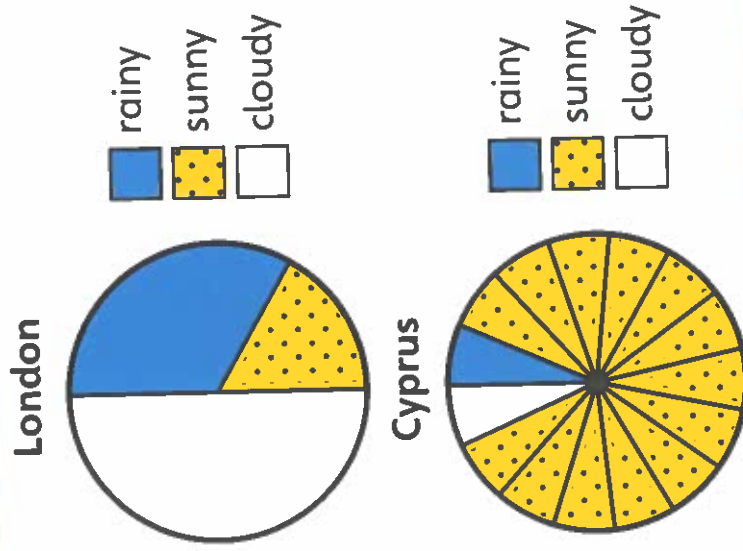


fractions and pie charts 2

discover

These charts show the weather in London and Cyprus in April.



1 a) In London $\frac{1}{3}$ of the month of April was rainy.

How many days were sunny?

b) How many sunny days were there in Cyprus in April?

Share

a) There are 30 days in April.

Method 1

$\frac{1}{3}$ of the days are rainy.

$\frac{1}{3}$ of 30 is 10.

$\frac{1}{2}$ of the days are cloudy.

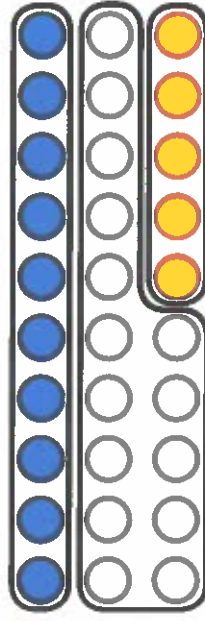
$\frac{1}{2}$ of 30 is 15.

$30 - 10 - 15 = 5$.

So there were 5 sunny days.



I found the remaining days.



I found the remaining fraction.

Method 2

$\frac{1}{2} + \frac{1}{3} + ? = 1$

$\frac{3}{6} + \frac{2}{6} + ? = 1$

$\frac{1}{6}$ of the days are sunny.

$\frac{1}{6}$ of 30 is 5.



b) There are 15 segments in the pie chart.

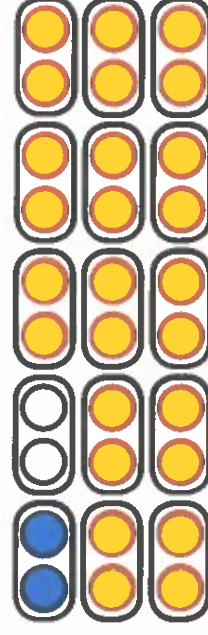
$\frac{2}{15}$ of the days were not sunny.

$\frac{1}{15}$ of 30 = $30 \div 15 = 2$

$\frac{2}{15}$ of 30 = $2 \times 2 = 4$

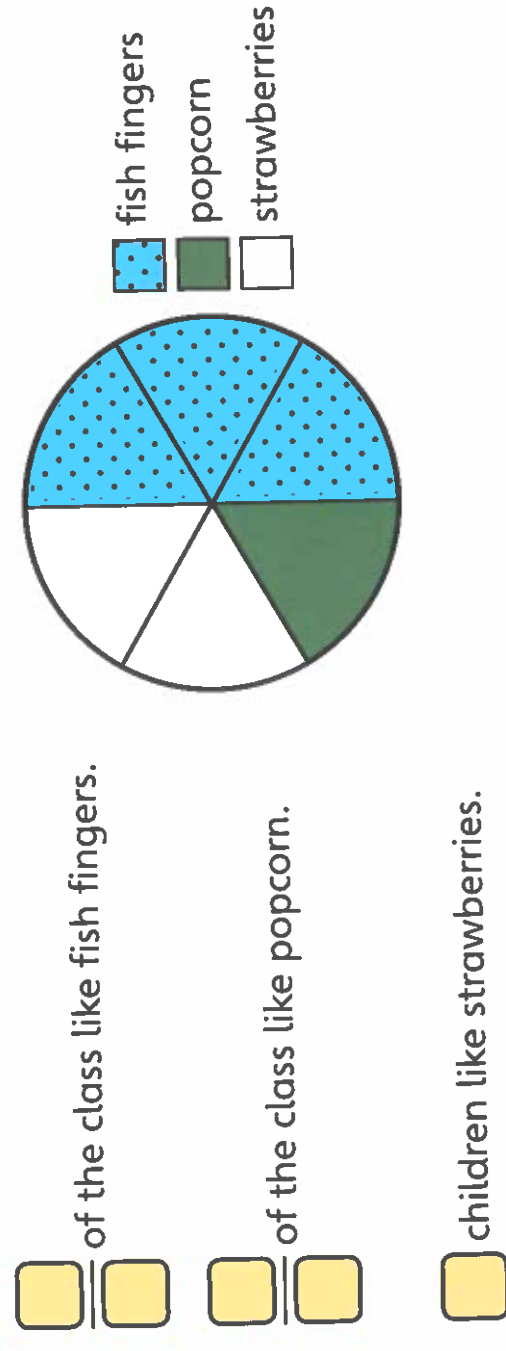
4 out of 30 days were not sunny.

So 26 days were sunny.

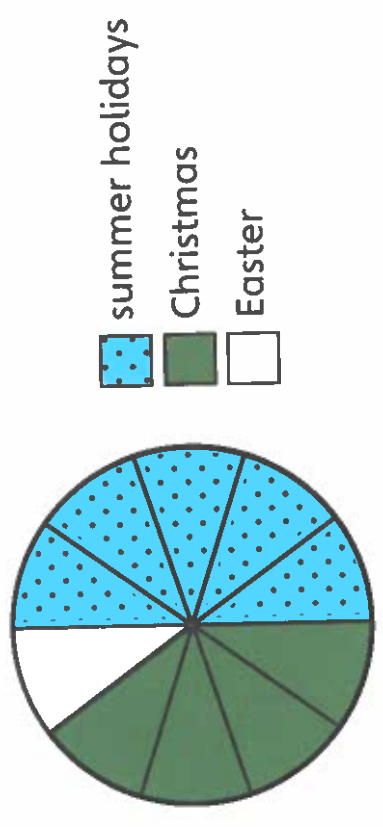


Think together

1 Max has been finding out the favourite food of the class. 4 more children like strawberries than like popcorn. Complete the statements.



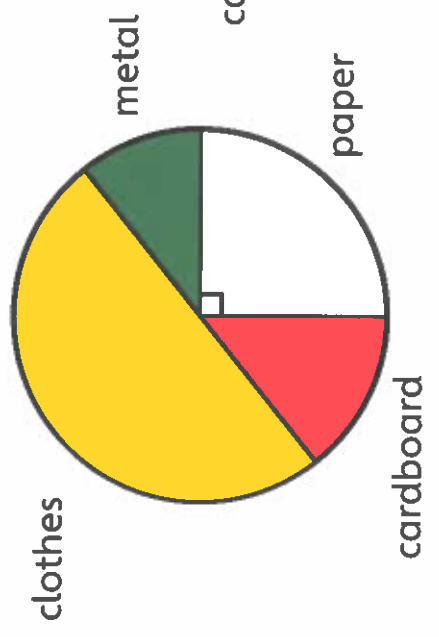
2 Isla investigated which school holiday was the favourite in the school. 45 children said the summer holidays. How many children said Christmas?



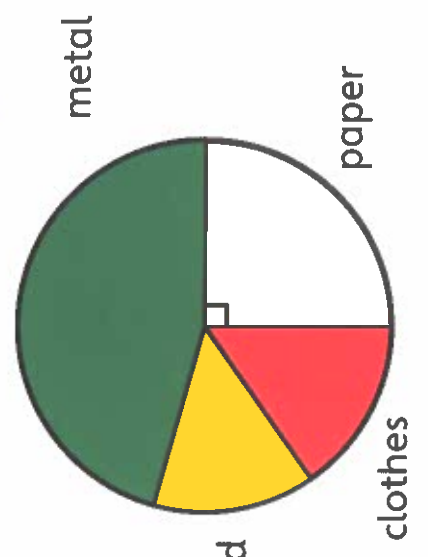
CHALLENGE

3 a) Classes 5 and 6 collected waste to recycle.

Class 5



Class 6



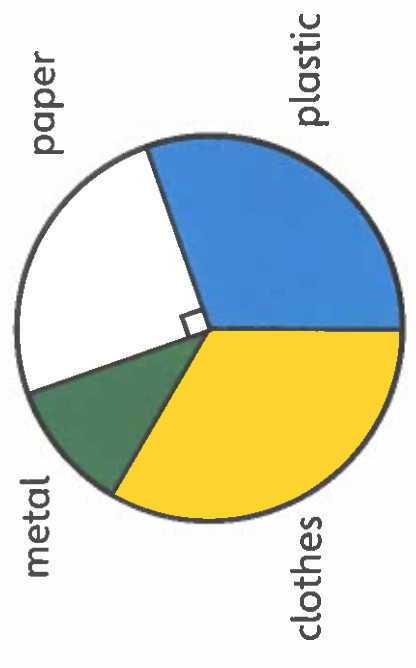
Class 5 collected 20 kg of waste in total.
Class 6 collected 10 kg of metal.

Which class collected more paper?

One section has a right angle sign. I can use this to work out the exact fraction of that part.



b) Class 4 also collected waste.



They collected 3.5 kg of metal. Estimate the weight of clothes.